



# Intrusion

## Products & Accessories Catalogue 2009



Answers for infrastructure.

**SIEMENS**

# Siemens: one brand, one partner – one system – for all your security & fire safety requirements



Access Control



CCTV



Fire Safety



Intruder Detection

**Small sized applications with stand-alone intrusion system connected to a Central Monitoring Station (CMS) – small convenience store or petrol station shop**



**Intrusion products for this example:**

IRM120C PIR & microwave detector

ADM-Q12 PIR detector

AGB600 glass break detector

MK240 door contacts

SI120 intrusion panel, up to 3 partitions and 6 verification zones

SPC4000 intrusion panel, up to 4 partitions and 32 supervised alarm zones



**Medium sized applications with multi-area intrusion system and connection to own control room – large supermarket with warehouse**



**Intrusion products for this example:**

IRM270T PIR & microwave detector with antimask

ADM-QX.12T PIR & microwave detector with antimask

AGB600 glass break detector

IS443/4 active infrared beams

SI220 intrusion panel, up to 6 partitions and 8 verification zones

SPC5000 intrusion panel, up to 16 partitions and 128 supervised alarm zones. Embedded Web server



**Large and/or high-risk applications with multi-site intrusion system and central/remote monitoring – commercial bank**



**Intrusion products for this example:**

IRO840T optical & PIR detector with range reduction and antimask

UP370T ultrasonic & PIR detector with antimask

GM730 seismic detector for ATMs

FK32 foot rail panic alarm activation

SI410 intrusion panel, up to 16 partitions and 32 verification zones

SPC6000 intrusion panel, up to 32 partitions and 512 supervised alarm zones. Embedded Web server



|   |            |
|---|------------|
| <b>Intrusion Detectors .....</b>                    | <b>1-2</b> |
| Internal Motion Detectors .....                     | 1-2        |
| Product Overview .....                              | 1-2        |
| PIR Internal Motion Detectors.....                  | 1-3        |
| PIR Motion Detectors with Antimask.....             | 1-9        |
| Dual Internal Motion Detectors .....                | 1-10       |
| Dual Internal Motion Detectors with Antimask.....   | 1-12       |
| PIR/Ultrasound Motion Detectors.....                | 1-13       |
| PIR/Ultrasound Motion Detectors with Antimask ..... | 1-14       |
| PIR/Optical Motion Detectors.....                   | 1-15       |
| PIR Ceiling Mount Motion Detectors .....            | 1-14       |
| Wireless Detectors and Peripherals .....            | 1-18       |
| Accessories.....                                    | 1-34       |
| E-Line Detectors and Accessories.....               | 2-2        |
| Product Overview .....                              | 2-2        |
| E-Line Detectors .....                              | 2-3        |
| Accessories.....                                    | 2-8        |
| External Motion Detectors.....                      | 3-2        |
| Product Overview .....                              | 3-2        |
| PIR External Motion Detectors .....                 | 3-4        |
| Active IR Beams .....                               | 3-10       |
| Accessories.....                                    | 3-14       |
| Seismic Detectors .....                             | 4-2        |
| Product Overview .....                              | 4-2        |
| Seismic Detectors .....                             | 4-4        |
| Accessories.....                                    | 4-8        |
| Other Detectors .....                               | 5-2        |
| Acoustic Glass Break Detectors.....                 | 5-2        |
| Mechanical Contacts.....                            | 5-3        |
| Foot Rails.....                                     | 5-5        |
| Hold-up Alarm Devices.....                          | 5-6        |
| Smoke Detectors .....                               | 5-7        |
| <b>Intrusion Panels .....</b>                       | <b>6-5</b> |
| SI Control Panels.....                              | 6-5        |
| SI100 .....   | 6-5        |
| SI200 .....   | 6-7        |
| SI400 .....   | 6-9        |
| SI Keypads.....                                     | 7-1        |
| LCD/LED Keypads.....                                | 7-1        |
| Keypad Language Kits.....                           | 7-5        |
| SI Alarm Verification Devices .....                 | 8-1        |
| Audio and Video Verification .....                  | 8-1        |
| SI Accessories .....                                | 9-1        |
| Communication Modules .....                         | 9-1        |
| E-Bus Components.....                               | 9-5        |
| Optional Modules .....                              | 9-11       |
| Spare Parts .....                                   | 9-13       |
| SPC Control Panels .....                            | 10-6       |
| SPC4000.....  | 10-6       |
| SPC5000.....  | 10-8       |
| SPC6000.....  | 10-10      |
| SPC Keypads .....                                   | 11-1       |
| LCD Keypads.....                                    | 11-1       |

|  |      |
|--|------|
| SPC Accessories and Modules .....                    | 12-1 |
| Communication Modules .....                          | 12-1 |
| Optional Modules .....                               | 12-3 |
| Other Modules.....                                   | 12-6 |
| Spare Parts .....                                    | 12-7 |
| IC60 Control Panels.....                             | 13-4 |
| Wireless Control Panels .....                        | 13-4 |
| Wired Control Panels.....                            | 13-6 |
| IC60 Kit Packaging .....                             | 14-1 |
| Wireless and Wired Kit Packaging .....               | 14-1 |
| IC60 Keypads, Remote Controls and Card Readers ..... | 15-1 |
| Keypads.....   | 15-1 |
| Remote Controls .....                                | 15-2 |
| Card Readers.....                                    | 15-3 |
| IC60 Accessories .....                               | 16-1 |
| Communication and Verification Modules .....         | 16-1 |
| Expander and Relay Modules.....                      | 16-3 |
| Vertical and Horizontal Lexan Mounting Sets.....     | 16-4 |
| Vertical and Horizontal Buttons Mounting Sets .....  | 16-6 |
| Other Accessories .....                              | 16-8 |
| Batteries .....                                      | 16-9 |

# Internal Motion Detectors



## Intrunet motion detectors – a world of technology and design

Passive infrared (PIR) motion detection is one of the most reliable and cost-effective technologies for protecting homes, or commercial and industrial premises.

Legislation has sometimes stressed the need to further guard the intruder detection systems against false alarms – which can be addressed by combining two detection technologies in one detector. One of these technologies is invariably PIR, and the other, in most cases, either microwave or ultrasonic detection.

The Intrunet™ single and dual technology motion detectors are designed to deliver the highest false alarm immunity. With a modern design allowing for a quick and clean installation, all detectors are tamper-proof and provide highly reliable detection in all applications and environments. Siemens also offers a unique combined PIR and optical detection system, the only detector on the market with a real antiblocking feature (in accordance with EN 50131-2-2 Grade 4).

- Innovative snap-in installation
- Intelligent digital signal analysis
- Patented black triplex mirror
- Real-time antimask detection

# Intrusion Detectors

## Internal Motion Detectors

### Product Overview

|                                    | IR80  | IR100   | IR120   | IR200   | IR270   | IR270T  |
|------------------------------------|---|---|---|---|---|---|
| Single technology detectors        |  |  |  |  |  |  |
| Volume range                       | 12 m  | 12 m  | 12 m  | 15 m  | 18 m  | 18 m  |
| Curtain range                      | 12 m  | 20 m  | 20 m  | 25 m  | 25 m  | 25 m  |
| Available grades                   | Grade 2   | Grade 2   | Grade 2   | Grade 2   | Grade 2   | Grade 3   |
| Detection technology <sup>1)</sup> | PIR   | PIR   | PIR   | PIR   | PIR   | PIR   |
| Optics                             | Fresnel lens  | Blanc triplex mirror  | Black triplex mirror  | Black mirror  | Black triplex mirror  | Black triplex mirror  |
| Application segments               | Residential   | Residential   | Residential/<br>Commercial/<br>Industrial   | Commercial/<br>Industrial   | Commercial/<br>Industrial   | Commercial/<br>Industrial/<br>High Risk   |
| Pet immunity                       | 12 kg   | 10 kg (20 kg <sup>2)</sup> )  | 20 kg (40 kg <sup>2)</sup> )  |   |   |   |

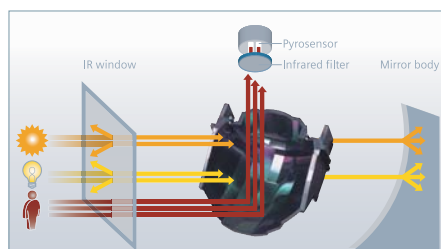
|                                    | IRM80   | IRM120  | IRM270  | IRM270T   | UP370T  | IR840T  |
|------------------------------------|---|---|---|---|---|---|
| Dual technology detectors          |  |  |  |  |  |  |
| Volume range                       | 12 m  | 12 m  | 18 m  | 18 m  | 10 m (6 m with small size mirror)   | 15 m  |
| Curtain range                      | 12 m  | 12 m  | 25 m  | 25 m  | –   | 15 m  |
| Available grades                   | Grade 2   | Grade 2   | Grade 2   | Grade 3   | Grade 3   | Grade 4   |
| Detection technology <sup>1)</sup> | PIR & MW  | PIR & MW  | PIR & MW  | PIR & MW  | PIR & US  | PIR & ODS   |
| Optics                             | Fresnel lens  | Black triplex mirror  | Black triplex mirror  | Black triplex mirror  | Black mirror  | Black triplex mirror  |
| Application segments               | Residential   | Commercial/<br>Industrial   | Commercial/<br>Industrial   | Commercial/<br>Industrial/<br>High Risk   | Commercial/<br>Industrial/<br>High Risk   | Commercial/<br>Industrial/<br>High Risk   |
| Pet immunity                       | 12 kg   | 20 kg   |   |   |   |   |

<sup>1)</sup> PIR: Passive Infrared; MW: Microwave; US: Ultrasound; ODS: Optical Detection System

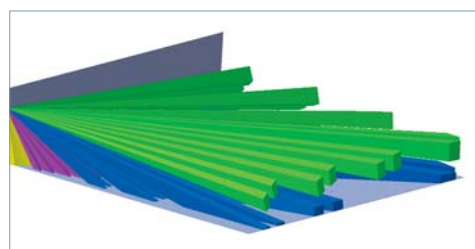
<sup>2)</sup> With clip



Patented black triplex mirror technology



Unrivalled white light immunity



Consistent short- to long-range room coverage

The patented black triplex mirror splits the room into a 52-zone tight grid similar to a chessboard, for outstanding detection quality and false alarm immunity.

■ The 52 sharply defined segments ensure that even small or very slow movements are reliably detected.

■ The 4x optical zoom mirror optics with adjusted focal length allow a consistent short- to long-range coverage of the room – as a result, objects and persons are “viewed” in their real size, regardless of their distance from the detector.

■ The black mirror coating delivers the most efficient absorption of white light, ensuring common sources of false alarms such as sunlight or car headlights are completely discarded.

Intrusion Detectors  
**Internal Motion Detectors**  
**PIR Internal Motion Detectors**



Type

Order No.

**IR80B**

**Fresnel PIR detector, 12 m wide angle, pet immunity**

**A5Q00002067**



A single PIR detector with fresnel lens and pet immunity up to 12 kg. The IR80B offers an excellent price/performance ratio. The detector for residential application features: Safe and easy snap-in installation, special fresnel lens, sealed sensor chamber, temperature compensation and state-of the art design.

|                             |                                |
|-----------------------------|--------------------------------|
| Range                       | 12 m wide angle                |
| Supply voltage              | 9 ~ 16 VDC (typical)           |
| Current consumption         | <16 mA                         |
| Alarm relay output (NO/NC)  | 30 VDC / 100 mA / Ri 32 Ohm NC |
| Tamper relay output (NO/NC) | 30 VDC / 50 mA NC              |
| Sensitivity adjustment      | 2 levels                       |
| Operating temperature       | -20 ~ +55 °C                   |
| Housing protection (IEC529) | IP41                           |
| Max. pet weight             | <12 kg                         |
| Dimensions (W x H x D)      | 51 x 87 x 45 mm                |
| Weight                      | 0.070 kg                       |
| Data sheet                  | 006881                         |

**IR100B**

**PIR detector, 12 m wide angle**

**A5Q00002206**




A unique combination of superior immunity and high detection reliability based on innovative technologies. The triplex mirror and full digital signal processing, make this detector ideal for a wide range of commercial and residential applications where pets may be present. Pet immunity up to 20 kg.

|                             |                                |
|-----------------------------|--------------------------------|
| Range                       | 12 m wide angle                |
| Supply voltage              | 9 ~ 16 VDC (typical)           |
| Current consumption         | 9 mA (9 mA on alarm)           |
| Alarm relay output (NO/NC)  | 30 VDC / 100 mA / Ri 33 Ohm NC |
| Tamper relay output (NO/NC) | 30 VDC / 50 mA NC              |
| Sensitivity adjustment      | 2 levels                       |
| Walking speed               | 0.2 ~ 3 m/s                    |
| Operating temperature       | -20 ~ +55 °C                   |
| Housing protection (IEC529) | IP41                           |
| Dimensions (W x H x D)      | 50 x 115 x 41 mm               |
| Weight                      | 0.080 kg                       |
| Data sheet                  | 007443                         |

# Intrusion Detectors

## Internal Motion Detectors

### PIR Internal Motion Detectors

| Type   | Order No.   |             |                 |                            |                      |                     |                      |                            |                                |                             |                   |                |                           |                 |                            |                        |          |               |             |                       |              |                             |      |                        |                  |        |          |            |        |
|--|---|-------------|-----------------|----------------------------|----------------------|---------------------|----------------------|----------------------------|--------------------------------|-----------------------------|-------------------|----------------|---------------------------|-----------------|----------------------------|------------------------|----------|---------------|-------------|-----------------------|--------------|-----------------------------|------|------------------------|------------------|--------|----------|------------|--------|
| IR120..  | IR120..   |             |                 |                            |                      |                     |                      |                            |                                |                             |                   |                |                           |                 |                            |                        |          |               |             |                       |              |                             |      |                        |                  |        |          |            |        |
|   | <p><b>PIR detector, 12 m wide angle, black mirror optics</b></p> <p>A unique combination of superior immunity and high detection reliability based on innovative technologies. Easy installation with the time-saving snap-in concept. The black triplex mirror and the full digital signal processing make this detector ideal for a wide range of commercial and residential applications where pets may be present.</p> <table border="0"> <tr> <td>Range</td> <td>12 m wide angle</td> </tr> <tr> <td>Supply voltage</td> <td>8 ~ 16 VDC (typical)</td> </tr> <tr> <td>Current consumption</td> <td>6 mA (6 mA on alarm)</td> </tr> <tr> <td>Alarm relay output (NO/NC)</td> <td>30 VDC / 100 mA / Ri 33 Ohm NC</td> </tr> <tr> <td>Tamper relay output (NO/NC)</td> <td>30 VDC / 50 mA NC</td> </tr> <tr> <td>Optical system</td> <td>Black triplex mirror 12 m</td> </tr> <tr> <td>Walk test input</td> <td>Low ≤ 1.5 V / high ≥ 3.5 V</td> </tr> <tr> <td>Sensitivity adjustment</td> <td>4 levels</td> </tr> <tr> <td>Walking speed</td> <td>0.2 ~ 3 m/s</td> </tr> <tr> <td>Operating temperature</td> <td>-20 ~ +55 °C</td> </tr> <tr> <td>Housing protection (IEC529)</td> <td>IP41</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>50 x 115 x 41 mm</td> </tr> <tr> <td>Weight</td> <td>0.090 kg</td> </tr> <tr> <td>Data sheet</td> <td>007802</td> </tr> </table> | Range       | 12 m wide angle | Supply voltage             | 8 ~ 16 VDC (typical) | Current consumption | 6 mA (6 mA on alarm) | Alarm relay output (NO/NC) | 30 VDC / 100 mA / Ri 33 Ohm NC | Tamper relay output (NO/NC) | 30 VDC / 50 mA NC | Optical system | Black triplex mirror 12 m | Walk test input | Low ≤ 1.5 V / high ≥ 3.5 V | Sensitivity adjustment | 4 levels | Walking speed | 0.2 ~ 3 m/s | Operating temperature | -20 ~ +55 °C | Housing protection (IEC529) | IP41 | Dimensions (W x H x D) | 50 x 115 x 41 mm | Weight | 0.090 kg | Data sheet | 007802 |
| Range  | 12 m wide angle   |             |                 |                            |                      |                     |                      |                            |                                |                             |                   |                |                           |                 |                            |                        |          |               |             |                       |              |                             |      |                        |                  |        |          |            |        |
| Supply voltage   | 8 ~ 16 VDC (typical)  |             |                 |                            |                      |                     |                      |                            |                                |                             |                   |                |                           |                 |                            |                        |          |               |             |                       |              |                             |      |                        |                  |        |          |            |        |
| Current consumption  | 6 mA (6 mA on alarm)  |             |                 |                            |                      |                     |                      |                            |                                |                             |                   |                |                           |                 |                            |                        |          |               |             |                       |              |                             |      |                        |                  |        |          |            |        |
| Alarm relay output (NO/NC)   | 30 VDC / 100 mA / Ri 33 Ohm NC  |             |                 |                            |                      |                     |                      |                            |                                |                             |                   |                |                           |                 |                            |                        |          |               |             |                       |              |                             |      |                        |                  |        |          |            |        |
| Tamper relay output (NO/NC)  | 30 VDC / 50 mA NC   |             |                 |                            |                      |                     |                      |                            |                                |                             |                   |                |                           |                 |                            |                        |          |               |             |                       |              |                             |      |                        |                  |        |          |            |        |
| Optical system   | Black triplex mirror 12 m   |             |                 |                            |                      |                     |                      |                            |                                |                             |                   |                |                           |                 |                            |                        |          |               |             |                       |              |                             |      |                        |                  |        |          |            |        |
| Walk test input  | Low ≤ 1.5 V / high ≥ 3.5 V  |             |                 |                            |                      |                     |                      |                            |                                |                             |                   |                |                           |                 |                            |                        |          |               |             |                       |              |                             |      |                        |                  |        |          |            |        |
| Sensitivity adjustment   | 4 levels  |             |                 |                            |                      |                     |                      |                            |                                |                             |                   |                |                           |                 |                            |                        |          |               |             |                       |              |                             |      |                        |                  |        |          |            |        |
| Walking speed  | 0.2 ~ 3 m/s   |             |                 |                            |                      |                     |                      |                            |                                |                             |                   |                |                           |                 |                            |                        |          |               |             |                       |              |                             |      |                        |                  |        |          |            |        |
| Operating temperature  | -20 ~ +55 °C  |             |                 |                            |                      |                     |                      |                            |                                |                             |                   |                |                           |                 |                            |                        |          |               |             |                       |              |                             |      |                        |                  |        |          |            |        |
| Housing protection (IEC529)  | IP41  |             |                 |                            |                      |                     |                      |                            |                                |                             |                   |                |                           |                 |                            |                        |          |               |             |                       |              |                             |      |                        |                  |        |          |            |        |
| Dimensions (W x H x D)   | 50 x 115 x 41 mm  |             |                 |                            |                      |                     |                      |                            |                                |                             |                   |                |                           |                 |                            |                        |          |               |             |                       |              |                             |      |                        |                  |        |          |            |        |
| Weight   | 0.090 kg  |             |                 |                            |                      |                     |                      |                            |                                |                             |                   |                |                           |                 |                            |                        |          |               |             |                       |              |                             |      |                        |                  |        |          |            |        |
| Data sheet   | 007802  |             |                 |                            |                      |                     |                      |                            |                                |                             |                   |                |                           |                 |                            |                        |          |               |             |                       |              |                             |      |                        |                  |        |          |            |        |
| IR120C   | BPZ:5403790001  |             |                 |                            |                      |                     |                      |                            |                                |                             |                   |                |                           |                 |                            |                        |          |               |             |                       |              |                             |      |                        |                  |        |          |            |        |
| <p><b>PIR detector, 12 m wide angle, black mirror optics, VdS approval, pet immunity</b></p> <p>See IR120.. for technical overview and note the additional / other specifications:</p> <table border="0"> <tr> <td>Approval</td> <td>VdS Class B</td> </tr> <tr> <td>Max. pet weight</td> <td>&lt;20 kg</td> </tr> <tr> <td>Data sheet</td> <td>007802</td> </tr> </table>   | Approval  | VdS Class B | Max. pet weight | <20 kg                     | Data sheet           | 007802              |                      |                            |                                |                             |                   |                |                           |                 |                            |                        |          |               |             |                       |              |                             |      |                        |                  |        |          |            |        |
| Approval   | VdS Class B   |             |                 |                            |                      |                     |                      |                            |                                |                             |                   |                |                           |                 |                            |                        |          |               |             |                       |              |                             |      |                        |                  |        |          |            |        |
| Max. pet weight  | <20 kg  |             |                 |                            |                      |                     |                      |                            |                                |                             |                   |                |                           |                 |                            |                        |          |               |             |                       |              |                             |      |                        |                  |        |          |            |        |
| Data sheet   | 007802  |             |                 |                            |                      |                     |                      |                            |                                |                             |                   |                |                           |                 |                            |                        |          |               |             |                       |              |                             |      |                        |                  |        |          |            |        |
| IR120MD  | BPZ:5402980001  |             |                 |                            |                      |                     |                      |                            |                                |                             |                   |                |                           |                 |                            |                        |          |               |             |                       |              |                             |      |                        |                  |        |          |            |        |
| <p><b>PIR detector, 12 m wide angle, black mirror optics, alarm memory, pet immunity, VdS approval</b></p> <p>See IR120.. for technical overview and note the additional / other specifications:</p> <table border="0"> <tr> <td>Approval</td> <td>VdS Class B</td> </tr> <tr> <td>Set/unset input</td> <td>Low ≤ 1.5 V / high ≥ 3.5 V</td> </tr> <tr> <td>Max. pet weight</td> <td>&lt;20 kg</td> </tr> <tr> <td>Data sheet</td> <td>007803</td> </tr> </table> | Approval  | VdS Class B | Set/unset input | Low ≤ 1.5 V / high ≥ 3.5 V | Max. pet weight      | <20 kg              | Data sheet           | 007803                     |                                |                             |                   |                |                           |                 |                            |                        |          |               |             |                       |              |                             |      |                        |                  |        |          |            |        |
| Approval   | VdS Class B   |             |                 |                            |                      |                     |                      |                            |                                |                             |                   |                |                           |                 |                            |                        |          |               |             |                       |              |                             |      |                        |                  |        |          |            |        |
| Set/unset input  | Low ≤ 1.5 V / high ≥ 3.5 V  |             |                 |                            |                      |                     |                      |                            |                                |                             |                   |                |                           |                 |                            |                        |          |               |             |                       |              |                             |      |                        |                  |        |          |            |        |
| Max. pet weight  | <20 kg  |             |                 |                            |                      |                     |                      |                            |                                |                             |                   |                |                           |                 |                            |                        |          |               |             |                       |              |                             |      |                        |                  |        |          |            |        |
| Data sheet   | 007803  |             |                 |                            |                      |                     |                      |                            |                                |                             |                   |                |                           |                 |                            |                        |          |               |             |                       |              |                             |      |                        |                  |        |          |            |        |
| IR120S   | A5Q00001761   |             |                 |                            |                      |                     |                      |                            |                                |                             |                   |                |                           |                 |                            |                        |          |               |             |                       |              |                             |      |                        |                  |        |          |            |        |
| <p><b>PIR detector, 12 m wide angle, black mirror optics, warm ambient conditions, pet immunity</b></p> <p>See IR120.. for technical overview and note the additional / other specifications:</p> <table border="0"> <tr> <td>Max. pet weight</td> <td>&lt;12 kg</td> </tr> <tr> <td>Data sheet</td> <td>008119</td> </tr> </table>  | Max. pet weight   | <12 kg      | Data sheet      | 008119                     |                      |                     |                      |                            |                                |                             |                   |                |                           |                 |                            |                        |          |               |             |                       |              |                             |      |                        |                  |        |          |            |        |
| Max. pet weight  | <12 kg  |             |                 |                            |                      |                     |                      |                            |                                |                             |                   |                |                           |                 |                            |                        |          |               |             |                       |              |                             |      |                        |                  |        |          |            |        |
| Data sheet   | 008119  |             |                 |                            |                      |                     |                      |                            |                                |                             |                   |                |                           |                 |                            |                        |          |               |             |                       |              |                             |      |                        |                  |        |          |            |        |
| IR120UL  | A5Q00003264   |             |                 |                            |                      |                     |                      |                            |                                |                             |                   |                |                           |                 |                            |                        |          |               |             |                       |              |                             |      |                        |                  |        |          |            |        |
| <p><b>PIR detector, 12 m wide angle, black mirror optics, UL approval, pet immunity</b></p> <p>See IR120.. for technical overview and note the additional / other specifications:</p> <table border="0"> <tr> <td>Approval</td> <td>UL</td> </tr> <tr> <td>Max. pet weight</td> <td>&lt;12 kg</td> </tr> <tr> <td>Data sheet</td> <td>008120</td> </tr> </table>   | Approval  | UL          | Max. pet weight | <12 kg                     | Data sheet           | 008120              |                      |                            |                                |                             |                   |                |                           |                 |                            |                        |          |               |             |                       |              |                             |      |                        |                  |        |          |            |        |
| Approval   | UL  |             |                 |                            |                      |                     |                      |                            |                                |                             |                   |                |                           |                 |                            |                        |          |               |             |                       |              |                             |      |                        |                  |        |          |            |        |
| Max. pet weight  | <12 kg  |             |                 |                            |                      |                     |                      |                            |                                |                             |                   |                |                           |                 |                            |                        |          |               |             |                       |              |                             |      |                        |                  |        |          |            |        |
| Data sheet   | 008120  |             |                 |                            |                      |                     |                      |                            |                                |                             |                   |                |                           |                 |                            |                        |          |               |             |                       |              |                             |      |                        |                  |        |          |            |        |



Intrusion Detectors  
**Internal Motion Detectors**  
**PIR Internal Motion Detectors**




| Type   | Order No.                            |                      |                     |                            |                              |                                      |                              |                   |                              |                   |                              |                            |                             |            |               |                          |                       |              |                    |      |                        |                    |        |          |                       |
|--|--------------------------------------|----------------------|---------------------|----------------------------|------------------------------|--------------------------------------|------------------------------|-------------------|------------------------------|-------------------|------------------------------|----------------------------|-----------------------------|------------|---------------|--------------------------|-----------------------|--------------|--------------------|------|------------------------|--------------------|--------|----------|-----------------------|
| <p><b>IR120LSN</b>                      <b>PIR detector, 12 m wide angle, black mirror, LSN, VdS approval, pet immunity</b></p> <p>See IR120.. for technical overview and note the additional / other specifications:</p> <table border="0"> <tr> <td>Bus connection for</td> <td>LSN</td> </tr> <tr> <td>Approval</td> <td>VdS Class B</td> </tr> <tr> <td>Max. pet weight</td> <td>&lt;20 kg</td> </tr> <tr> <td>Data sheet</td> <td>003995</td> </tr> </table>  | Bus connection for                   | LSN                  | Approval            | VdS Class B                | Max. pet weight              | <20 kg                               | Data sheet                   | 003995            | <p><b>BPZ:5628940001</b></p> |                   |                              |                            |                             |            |               |                          |                       |              |                    |      |                        |                    |        |          |                       |
| Bus connection for   | LSN                                  |                      |                     |                            |                              |                                      |                              |                   |                              |                   |                              |                            |                             |            |               |                          |                       |              |                    |      |                        |                    |        |          |                       |
| Approval   | VdS Class B                          |                      |                     |                            |                              |                                      |                              |                   |                              |                   |                              |                            |                             |            |               |                          |                       |              |                    |      |                        |                    |        |          |                       |
| Max. pet weight  | <20 kg                               |                      |                     |                            |                              |                                      |                              |                   |                              |                   |                              |                            |                             |            |               |                          |                       |              |                    |      |                        |                    |        |          |                       |
| Data sheet   | 003995                               |                      |                     |                            |                              |                                      |                              |                   |                              |                   |                              |                            |                             |            |               |                          |                       |              |                    |      |                        |                    |        |          |                       |
| <p><b>IR200..</b>                      <b>PIR detector, 15 m wide angle</b></p> <p>An attractive design, time-saving installation, reliable detection and outstanding immunity make this detector ideal for industrial and commercial applications, as well as for more demanding and sophisticated applications in the residential sector.</p>  <table border="0"> <tr> <td>Supply voltage</td> <td>8 ~ 16 VDC (typical)</td> </tr> <tr> <td>Current consumption</td> <td>7 mA (16 mA on alarm)</td> </tr> <tr> <td>Alarm relay output (NO/NC)</td> <td>30 VDC / 100 mA / Ri 32 Ohm NC</td> </tr> <tr> <td>Tamper relay output (NO/NC)</td> <td>30 VDC / 50 mA NC</td> </tr> <tr> <td>Optical system</td> <td>Black mirror 15 m</td> </tr> <tr> <td>Walk test input</td> <td>Low ≤ 1.5 V / high ≥ 3.5 V</td> </tr> <tr> <td>Sensitivity evaluation mode</td> <td>4 settings</td> </tr> <tr> <td>Walking speed</td> <td>0.2 ~ 3 m/s (wide angle)</td> </tr> <tr> <td>Operating temperature</td> <td>-20 ~ +55 °C</td> </tr> <tr> <td>Housing protection</td> <td>IP41</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>55 x 135.5 x 45 mm</td> </tr> <tr> <td>Weight</td> <td>0.144 kg</td> </tr> </table> | Supply voltage                       | 8 ~ 16 VDC (typical) | Current consumption | 7 mA (16 mA on alarm)      | Alarm relay output (NO/NC)   | 30 VDC / 100 mA / Ri 32 Ohm NC       | Tamper relay output (NO/NC)  | 30 VDC / 50 mA NC | Optical system               | Black mirror 15 m | Walk test input              | Low ≤ 1.5 V / high ≥ 3.5 V | Sensitivity evaluation mode | 4 settings | Walking speed | 0.2 ~ 3 m/s (wide angle) | Operating temperature | -20 ~ +55 °C | Housing protection | IP41 | Dimensions (W x H x D) | 55 x 135.5 x 45 mm | Weight | 0.144 kg | <p><b>IR200..</b></p> |
| Supply voltage   | 8 ~ 16 VDC (typical)                 |                      |                     |                            |                              |                                      |                              |                   |                              |                   |                              |                            |                             |            |               |                          |                       |              |                    |      |                        |                    |        |          |                       |
| Current consumption  | 7 mA (16 mA on alarm)                |                      |                     |                            |                              |                                      |                              |                   |                              |                   |                              |                            |                             |            |               |                          |                       |              |                    |      |                        |                    |        |          |                       |
| Alarm relay output (NO/NC)   | 30 VDC / 100 mA / Ri 32 Ohm NC       |                      |                     |                            |                              |                                      |                              |                   |                              |                   |                              |                            |                             |            |               |                          |                       |              |                    |      |                        |                    |        |          |                       |
| Tamper relay output (NO/NC)  | 30 VDC / 50 mA NC                    |                      |                     |                            |                              |                                      |                              |                   |                              |                   |                              |                            |                             |            |               |                          |                       |              |                    |      |                        |                    |        |          |                       |
| Optical system   | Black mirror 15 m                    |                      |                     |                            |                              |                                      |                              |                   |                              |                   |                              |                            |                             |            |               |                          |                       |              |                    |      |                        |                    |        |          |                       |
| Walk test input  | Low ≤ 1.5 V / high ≥ 3.5 V           |                      |                     |                            |                              |                                      |                              |                   |                              |                   |                              |                            |                             |            |               |                          |                       |              |                    |      |                        |                    |        |          |                       |
| Sensitivity evaluation mode  | 4 settings                           |                      |                     |                            |                              |                                      |                              |                   |                              |                   |                              |                            |                             |            |               |                          |                       |              |                    |      |                        |                    |        |          |                       |
| Walking speed  | 0.2 ~ 3 m/s (wide angle)             |                      |                     |                            |                              |                                      |                              |                   |                              |                   |                              |                            |                             |            |               |                          |                       |              |                    |      |                        |                    |        |          |                       |
| Operating temperature  | -20 ~ +55 °C                         |                      |                     |                            |                              |                                      |                              |                   |                              |                   |                              |                            |                             |            |               |                          |                       |              |                    |      |                        |                    |        |          |                       |
| Housing protection   | IP41                                 |                      |                     |                            |                              |                                      |                              |                   |                              |                   |                              |                            |                             |            |               |                          |                       |              |                    |      |                        |                    |        |          |                       |
| Dimensions (W x H x D)   | 55 x 135.5 x 45 mm                   |                      |                     |                            |                              |                                      |                              |                   |                              |                   |                              |                            |                             |            |               |                          |                       |              |                    |      |                        |                    |        |          |                       |
| Weight   | 0.144 kg                             |                      |                     |                            |                              |                                      |                              |                   |                              |                   |                              |                            |                             |            |               |                          |                       |              |                    |      |                        |                    |        |          |                       |
| <p><b>IR200C-II</b>                      <b>PIR detector, 15 m wide angle</b></p> <p>See IR200.. for technical overview and note the additional / other specifications:</p> <table border="0"> <tr> <td>Range</td> <td>15 m wide angle</td> </tr> <tr> <td>Data sheet</td> <td>007531</td> </tr> </table>  | Range                                | 15 m wide angle      | Data sheet          | 007531                     | <p><b>BPZ:5619210001</b></p> |                                      |                              |                   |                              |                   |                              |                            |                             |            |               |                          |                       |              |                    |      |                        |                    |        |          |                       |
| Range  | 15 m wide angle                      |                      |                     |                            |                              |                                      |                              |                   |                              |                   |                              |                            |                             |            |               |                          |                       |              |                    |      |                        |                    |        |          |                       |
| Data sheet   | 007531                               |                      |                     |                            |                              |                                      |                              |                   |                              |                   |                              |                            |                             |            |               |                          |                       |              |                    |      |                        |                    |        |          |                       |
| <p><b>IR200CD</b>                      <b>PIR detector, 15 m wide angle , VdS approval</b></p> <p>See IR200.. for technical overview and note the additional / other specifications:</p> <table border="0"> <tr> <td>Range</td> <td>15 m wide angle</td> </tr> <tr> <td>Approval</td> <td>VdS Class B</td> </tr> <tr> <td>Data sheet</td> <td>007778</td> </tr> </table>   | Range                                | 15 m wide angle      | Approval            | VdS Class B                | Data sheet                   | 007778                               | <p><b>BPZ:5193710001</b></p> |                   |                              |                   |                              |                            |                             |            |               |                          |                       |              |                    |      |                        |                    |        |          |                       |
| Range  | 15 m wide angle                      |                      |                     |                            |                              |                                      |                              |                   |                              |                   |                              |                            |                             |            |               |                          |                       |              |                    |      |                        |                    |        |          |                       |
| Approval   | VdS Class B                          |                      |                     |                            |                              |                                      |                              |                   |                              |                   |                              |                            |                             |            |               |                          |                       |              |                    |      |                        |                    |        |          |                       |
| Data sheet   | 007778                               |                      |                     |                            |                              |                                      |                              |                   |                              |                   |                              |                            |                             |            |               |                          |                       |              |                    |      |                        |                    |        |          |                       |
| <p><b>IR200ME</b>                      <b>PIR detector, 15 m wide angle, set/unset input; VdS approval</b></p> <p>See IR200.. for technical overview and note the additional / other specifications:</p> <table border="0"> <tr> <td>Range</td> <td>15 m wide angle</td> </tr> <tr> <td>Set/unset input</td> <td>Low ≤ 1.5 V / high ≥ 3.5 V</td> </tr> <tr> <td>Electronic output</td> <td>During alarm =&gt; 0 V (open collector)</td> </tr> <tr> <td>Approval</td> <td>VdS Class B</td> </tr> <tr> <td>Data sheet</td> <td>007778</td> </tr> </table>  | Range                                | 15 m wide angle      | Set/unset input     | Low ≤ 1.5 V / high ≥ 3.5 V | Electronic output            | During alarm => 0 V (open collector) | Approval                     | VdS Class B       | Data sheet                   | 007778            | <p><b>BPZ:5193680001</b></p> |                            |                             |            |               |                          |                       |              |                    |      |                        |                    |        |          |                       |
| Range  | 15 m wide angle                      |                      |                     |                            |                              |                                      |                              |                   |                              |                   |                              |                            |                             |            |               |                          |                       |              |                    |      |                        |                    |        |          |                       |
| Set/unset input  | Low ≤ 1.5 V / high ≥ 3.5 V           |                      |                     |                            |                              |                                      |                              |                   |                              |                   |                              |                            |                             |            |               |                          |                       |              |                    |      |                        |                    |        |          |                       |
| Electronic output  | During alarm => 0 V (open collector) |                      |                     |                            |                              |                                      |                              |                   |                              |                   |                              |                            |                             |            |               |                          |                       |              |                    |      |                        |                    |        |          |                       |
| Approval   | VdS Class B                          |                      |                     |                            |                              |                                      |                              |                   |                              |                   |                              |                            |                             |            |               |                          |                       |              |                    |      |                        |                    |        |          |                       |
| Data sheet   | 007778                               |                      |                     |                            |                              |                                      |                              |                   |                              |                   |                              |                            |                             |            |               |                          |                       |              |                    |      |                        |                    |        |          |                       |

# Intrusion Detectors

## Internal Motion Detectors

### PIR Internal Motion Detectors

| Type  | Order No.                      |                      |                     |                          |                            |                                |                             |                    |                |                           |                 |                            |                             |            |               |             |                       |             |                    |      |                        |                    |        |          |         |
|---|--------------------------------|----------------------|---------------------|--------------------------|----------------------------|--------------------------------|-----------------------------|--------------------|----------------|---------------------------|-----------------|----------------------------|-----------------------------|------------|---------------|-------------|-----------------------|-------------|--------------------|------|------------------------|--------------------|--------|----------|---------|
| <p><b>IR200LSN</b>                      <b>PIR detector, 15 m wide angle, VdS approval, LSN</b></p> <p>See IR200.. for technical overview and note the additional / other specifications:</p> <table border="0"> <tr> <td>Range</td> <td>15 m wide angle</td> </tr> <tr> <td>Approval</td> <td>VdS Class B</td> </tr> <tr> <td>Bus connection for</td> <td>LSN</td> </tr> <tr> <td>Data sheet</td> <td>007531</td> </tr> </table>   | Range                          | 15 m wide angle      | Approval            | VdS Class B              | Bus connection for         | LSN                            | Data sheet                  | 007531             | BPZ:5499560001 |                           |                 |                            |                             |            |               |             |                       |             |                    |      |                        |                    |        |          |         |
| Range   | 15 m wide angle                |                      |                     |                          |                            |                                |                             |                    |                |                           |                 |                            |                             |            |               |             |                       |             |                    |      |                        |                    |        |          |         |
| Approval  | VdS Class B                    |                      |                     |                          |                            |                                |                             |                    |                |                           |                 |                            |                             |            |               |             |                       |             |                    |      |                        |                    |        |          |         |
| Bus connection for  | LSN                            |                      |                     |                          |                            |                                |                             |                    |                |                           |                 |                            |                             |            |               |             |                       |             |                    |      |                        |                    |        |          |         |
| Data sheet  | 007531                         |                      |                     |                          |                            |                                |                             |                    |                |                           |                 |                            |                             |            |               |             |                       |             |                    |      |                        |                    |        |          |         |
| <p><b>IR270..</b></p>  <p><b>PIR detector, 18 m wide angle</b></p> <p>See IR270.. for technical overview and note the additional / other specifications:</p> <p>A unique combination of immunity to false alarms and maximum detection reliability make this detector ideal for a wide range of applications, including commercial and industrial premises, large private houses and public buildings.</p> <table border="0"> <tr> <td>Supply voltage</td> <td>8 ~ 16 VDC (typical)</td> </tr> <tr> <td>Current consumption</td> <td>2.8 mA (&lt;12 mA on alarm)</td> </tr> <tr> <td>Alarm relay output (NO/NC)</td> <td>30 VDC / 100 mA / Ri 45 Ohm NC</td> </tr> <tr> <td>Tamper relay output (NO/NC)</td> <td>30 VDC / 100 mA NC</td> </tr> <tr> <td>Optical system</td> <td>Black triplex mirror 18 m</td> </tr> <tr> <td>Walk test input</td> <td>Low ≤ 1.5 V / high ≥ 3.5 V</td> </tr> <tr> <td>Sensitivity evaluation mode</td> <td>4 settings</td> </tr> <tr> <td>Walking speed</td> <td>0.2 ~ 4 m/s</td> </tr> <tr> <td>Operating temperature</td> <td>-20 ~ +55°C</td> </tr> <tr> <td>Housing protection</td> <td>IP41</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>55 x 135.5 x 50 mm</td> </tr> <tr> <td>Weight</td> <td>0.150 kg</td> </tr> </table> | Supply voltage                 | 8 ~ 16 VDC (typical) | Current consumption | 2.8 mA (<12 mA on alarm) | Alarm relay output (NO/NC) | 30 VDC / 100 mA / Ri 45 Ohm NC | Tamper relay output (NO/NC) | 30 VDC / 100 mA NC | Optical system | Black triplex mirror 18 m | Walk test input | Low ≤ 1.5 V / high ≥ 3.5 V | Sensitivity evaluation mode | 4 settings | Walking speed | 0.2 ~ 4 m/s | Operating temperature | -20 ~ +55°C | Housing protection | IP41 | Dimensions (W x H x D) | 55 x 135.5 x 50 mm | Weight | 0.150 kg | IR270.. |
| Supply voltage  | 8 ~ 16 VDC (typical)           |                      |                     |                          |                            |                                |                             |                    |                |                           |                 |                            |                             |            |               |             |                       |             |                    |      |                        |                    |        |          |         |
| Current consumption   | 2.8 mA (<12 mA on alarm)       |                      |                     |                          |                            |                                |                             |                    |                |                           |                 |                            |                             |            |               |             |                       |             |                    |      |                        |                    |        |          |         |
| Alarm relay output (NO/NC)  | 30 VDC / 100 mA / Ri 45 Ohm NC |                      |                     |                          |                            |                                |                             |                    |                |                           |                 |                            |                             |            |               |             |                       |             |                    |      |                        |                    |        |          |         |
| Tamper relay output (NO/NC)   | 30 VDC / 100 mA NC             |                      |                     |                          |                            |                                |                             |                    |                |                           |                 |                            |                             |            |               |             |                       |             |                    |      |                        |                    |        |          |         |
| Optical system  | Black triplex mirror 18 m      |                      |                     |                          |                            |                                |                             |                    |                |                           |                 |                            |                             |            |               |             |                       |             |                    |      |                        |                    |        |          |         |
| Walk test input   | Low ≤ 1.5 V / high ≥ 3.5 V     |                      |                     |                          |                            |                                |                             |                    |                |                           |                 |                            |                             |            |               |             |                       |             |                    |      |                        |                    |        |          |         |
| Sensitivity evaluation mode   | 4 settings                     |                      |                     |                          |                            |                                |                             |                    |                |                           |                 |                            |                             |            |               |             |                       |             |                    |      |                        |                    |        |          |         |
| Walking speed   | 0.2 ~ 4 m/s                    |                      |                     |                          |                            |                                |                             |                    |                |                           |                 |                            |                             |            |               |             |                       |             |                    |      |                        |                    |        |          |         |
| Operating temperature   | -20 ~ +55°C                    |                      |                     |                          |                            |                                |                             |                    |                |                           |                 |                            |                             |            |               |             |                       |             |                    |      |                        |                    |        |          |         |
| Housing protection  | IP41                           |                      |                     |                          |                            |                                |                             |                    |                |                           |                 |                            |                             |            |               |             |                       |             |                    |      |                        |                    |        |          |         |
| Dimensions (W x H x D)  | 55 x 135.5 x 50 mm             |                      |                     |                          |                            |                                |                             |                    |                |                           |                 |                            |                             |            |               |             |                       |             |                    |      |                        |                    |        |          |         |
| Weight  | 0.150 kg                       |                      |                     |                          |                            |                                |                             |                    |                |                           |                 |                            |                             |            |               |             |                       |             |                    |      |                        |                    |        |          |         |
| <p><b>IR270C</b>                      <b>PIR detector, 18 m wide angle</b></p> <p>See IR270.. for technical overview and note the additional / other specifications:</p> <table border="0"> <tr> <td>Range</td> <td>18 m wide angle</td> </tr> <tr> <td>Data sheet</td> <td>007752</td> </tr> </table>  | Range                          | 18 m wide angle      | Data sheet          | 007752                   | BPZ:5714870001             |                                |                             |                    |                |                           |                 |                            |                             |            |               |             |                       |             |                    |      |                        |                    |        |          |         |
| Range   | 18 m wide angle                |                      |                     |                          |                            |                                |                             |                    |                |                           |                 |                            |                             |            |               |             |                       |             |                    |      |                        |                    |        |          |         |
| Data sheet  | 007752                         |                      |                     |                          |                            |                                |                             |                    |                |                           |                 |                            |                             |            |               |             |                       |             |                    |      |                        |                    |        |          |         |
| <p><b>IR270MD</b>                      <b>PIR detector, 18 m wide angle, VdS approval</b></p> <p>See IR270.. for technical overview and note the additional / other specifications:</p> <table border="0"> <tr> <td>Range</td> <td>18 m wide angle</td> </tr> <tr> <td>Approval</td> <td>VdS Class B</td> </tr> <tr> <td>Set/unset input</td> <td>Low ≤ 1.5 V / high ≥ 3.5 V</td> </tr> <tr> <td>Data sheet</td> <td>006895</td> </tr> </table>   | Range                          | 18 m wide angle      | Approval            | VdS Class B              | Set/unset input            | Low ≤ 1.5 V / high ≥ 3.5 V     | Data sheet                  | 006895             | A5Q00001864    |                           |                 |                            |                             |            |               |             |                       |             |                    |      |                        |                    |        |          |         |
| Range   | 18 m wide angle                |                      |                     |                          |                            |                                |                             |                    |                |                           |                 |                            |                             |            |               |             |                       |             |                    |      |                        |                    |        |          |         |
| Approval  | VdS Class B                    |                      |                     |                          |                            |                                |                             |                    |                |                           |                 |                            |                             |            |               |             |                       |             |                    |      |                        |                    |        |          |         |
| Set/unset input   | Low ≤ 1.5 V / high ≥ 3.5 V     |                      |                     |                          |                            |                                |                             |                    |                |                           |                 |                            |                             |            |               |             |                       |             |                    |      |                        |                    |        |          |         |
| Data sheet  | 006895                         |                      |                     |                          |                            |                                |                             |                    |                |                           |                 |                            |                             |            |               |             |                       |             |                    |      |                        |                    |        |          |         |

Intrusion Detectors  
**Internal Motion Detectors**  
**PIR Internal Motion Detectors**



Type

Order No.

IR31xC..

**PIR detector, 18 m wide angle / 50 m long range curtain**

An attractive design, time-saving installation, reliable detection and creep zone protection make this detector ideal for industrial, public and commercial applications.



|                             |                                |
|-----------------------------|--------------------------------|
| Supply voltage              | 10 ~ 16 VDC (typical)          |
| Current consumption         | 12 mA (29 mA on alarm)         |
| Alarm relay output (NO/NC)  | 30 VDC / 100 mA / Ri 33 Ohm NC |
| Tamper relay output (NO/NC) | 30 VDC / 50 mA NC              |
| Walk test input             | Low ≤ 1.5 V / high ≥ 3.5 V     |
| Sensitivity evaluation mode | 2 settings                     |
| Operating temperature       | -20 ~ +55 °C                   |
| Housing protection          | IP41                           |
| Dimensions (W x H x D)      | 86 x 192 x 97 mm               |
| Weight                      | 0.380 kg                       |

IR31xC..

IR310C

**PIR detector, 18 m wide angle**

See IR31xC.. for technical overview and note the additional / other specifications:

|               |                 |
|---------------|-----------------|
| Area coverage | 18 m / 20 zones |
| Data sheet    | 007811          |

BPZ:4455550001

IR312C

**PIR detector, 50 m long range curtain**

See IR31xC.. for technical overview and note the additional / other specifications:

|               |                 |
|---------------|-----------------|
| Area coverage | 50 m / 10 zones |
| Data sheet    | 007811          |

BPZ:4459660001

IR31xCD..

**PIR detector, 18 m wide angle / 50 m long range curtain, VdS approval**

An attractive design, time-saving installation, reliable detection and creep zone protection make this detector ideal for industrial, public and commercial applications.



|                             |                                  |
|-----------------------------|----------------------------------|
| Supply voltage              | 10 ~ 16 VDC (typical)            |
| Current consumption         | 12 mA (29 mA on alarm)           |
| Alarm relay output (NO/NC)  | 30 VDC / 100 mA / Ri 33 Ohm NCNC |
| Tamper relay output (NO/NC) | 30 VDC / 50 mA NC                |
| Walk test input             | Low ≤ 1.5 V / high ≥ 3.5 V       |
| Sensitivity evaluation mode | 2 settings                       |
| Operating temperature       | -20 ~ +55 °C                     |
| Housing protection          | IP41                             |
| Dimensions (W x H x D)      | 86 x 192 x 97 mm                 |
| Weight                      | 0.400 kg                         |
| Approval                    | VdS Class B                      |

IR31xCD..

IR310CD

**PIR detector, 18 m wide angle, VdS approval**

See IR31xCD.. for technical overview and note the additional / other specifications:

|               |                 |
|---------------|-----------------|
| Area coverage | 50 m / 10 zones |
| Data sheet    | 007812          |

BPZ:4463630001

# Intrusion Detectors

## Internal Motion Detectors

### PIR Internal Motion Detectors

| Type  | Order No.                            |                      |                     |                            |                              |                                |                   |                                      |                             |                   |                 |                            |                             |            |                       |              |                    |      |                        |                  |        |          |                         |
|---|--------------------------------------|----------------------|---------------------|----------------------------|------------------------------|--------------------------------|-------------------|--------------------------------------|-----------------------------|-------------------|-----------------|----------------------------|-----------------------------|------------|-----------------------|--------------|--------------------|------|------------------------|------------------|--------|----------|-------------------------|
| <p><b>IR312CD</b>                      <b>PIR detector, 50 m long range curtain, VdS approval</b></p> <p>See IR31xCD.. for technical overview and note the additional / other specifications:</p> <table border="0"> <tr> <td>Area coverage</td> <td>50 m / 10 zones</td> </tr> <tr> <td>Data sheet</td> <td>007812</td> </tr> </table>   | Area coverage                        | 50 m / 10 zones      | Data sheet          | 007812                     | <p><b>BPZ:4462110001</b></p> |                                |                   |                                      |                             |                   |                 |                            |                             |            |                       |              |                    |      |                        |                  |        |          |                         |
| Area coverage   | 50 m / 10 zones                      |                      |                     |                            |                              |                                |                   |                                      |                             |                   |                 |                            |                             |            |                       |              |                    |      |                        |                  |        |          |                         |
| Data sheet  | 007812                               |                      |                     |                            |                              |                                |                   |                                      |                             |                   |                 |                            |                             |            |                       |              |                    |      |                        |                  |        |          |                         |
| <p><b>IR31xMD..</b>                      <b>PIR detector, 18 m wide angle / 50 m long range curtain, alarm memory</b></p> <p>An attractive design, time-saving installation, reliable detection and creep zone protection make this detector ideal for industrial, public and commercial applications.</p>  <table border="0"> <tr> <td>Supply voltage</td> <td>8 ~ 16 VDC (typical)</td> </tr> <tr> <td>Current consumption</td> <td>4.5 mA / 26 mA (at 12 VDC)</td> </tr> <tr> <td>Alarm relay output (NO/NC)</td> <td>30 VDC / 100 mA / Ri 33 Ohm NC</td> </tr> <tr> <td>Electronic output</td> <td>During alarm =&gt; 0 V (open collector)</td> </tr> <tr> <td>Tamper relay output (NO/NC)</td> <td>30 VDC / 50 mA NC</td> </tr> <tr> <td>Walk test input</td> <td>Low ≤ 1.5 V / high ≥ 3.5 V</td> </tr> <tr> <td>Sensitivity evaluation mode</td> <td>2 settings</td> </tr> <tr> <td>Operating temperature</td> <td>-20 ~ +55 °C</td> </tr> <tr> <td>Housing protection</td> <td>IP41</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>86 x 192 x 97 mm</td> </tr> <tr> <td>Weight</td> <td>0.395 kg</td> </tr> </table> | Supply voltage                       | 8 ~ 16 VDC (typical) | Current consumption | 4.5 mA / 26 mA (at 12 VDC) | Alarm relay output (NO/NC)   | 30 VDC / 100 mA / Ri 33 Ohm NC | Electronic output | During alarm => 0 V (open collector) | Tamper relay output (NO/NC) | 30 VDC / 50 mA NC | Walk test input | Low ≤ 1.5 V / high ≥ 3.5 V | Sensitivity evaluation mode | 2 settings | Operating temperature | -20 ~ +55 °C | Housing protection | IP41 | Dimensions (W x H x D) | 86 x 192 x 97 mm | Weight | 0.395 kg | <p><b>IR31xMD..</b></p> |
| Supply voltage  | 8 ~ 16 VDC (typical)                 |                      |                     |                            |                              |                                |                   |                                      |                             |                   |                 |                            |                             |            |                       |              |                    |      |                        |                  |        |          |                         |
| Current consumption   | 4.5 mA / 26 mA (at 12 VDC)           |                      |                     |                            |                              |                                |                   |                                      |                             |                   |                 |                            |                             |            |                       |              |                    |      |                        |                  |        |          |                         |
| Alarm relay output (NO/NC)  | 30 VDC / 100 mA / Ri 33 Ohm NC       |                      |                     |                            |                              |                                |                   |                                      |                             |                   |                 |                            |                             |            |                       |              |                    |      |                        |                  |        |          |                         |
| Electronic output   | During alarm => 0 V (open collector) |                      |                     |                            |                              |                                |                   |                                      |                             |                   |                 |                            |                             |            |                       |              |                    |      |                        |                  |        |          |                         |
| Tamper relay output (NO/NC)   | 30 VDC / 50 mA NC                    |                      |                     |                            |                              |                                |                   |                                      |                             |                   |                 |                            |                             |            |                       |              |                    |      |                        |                  |        |          |                         |
| Walk test input   | Low ≤ 1.5 V / high ≥ 3.5 V           |                      |                     |                            |                              |                                |                   |                                      |                             |                   |                 |                            |                             |            |                       |              |                    |      |                        |                  |        |          |                         |
| Sensitivity evaluation mode   | 2 settings                           |                      |                     |                            |                              |                                |                   |                                      |                             |                   |                 |                            |                             |            |                       |              |                    |      |                        |                  |        |          |                         |
| Operating temperature   | -20 ~ +55 °C                         |                      |                     |                            |                              |                                |                   |                                      |                             |                   |                 |                            |                             |            |                       |              |                    |      |                        |                  |        |          |                         |
| Housing protection  | IP41                                 |                      |                     |                            |                              |                                |                   |                                      |                             |                   |                 |                            |                             |            |                       |              |                    |      |                        |                  |        |          |                         |
| Dimensions (W x H x D)  | 86 x 192 x 97 mm                     |                      |                     |                            |                              |                                |                   |                                      |                             |                   |                 |                            |                             |            |                       |              |                    |      |                        |                  |        |          |                         |
| Weight  | 0.395 kg                             |                      |                     |                            |                              |                                |                   |                                      |                             |                   |                 |                            |                             |            |                       |              |                    |      |                        |                  |        |          |                         |
| <p><b>IR310MD</b>                      <b>PIR detector, 18 m wide angle</b></p> <p>See IR31xMD.. for technical overview and note the additional / other specifications:</p> <table border="0"> <tr> <td>Area coverage</td> <td>18 m / 20 zones</td> </tr> <tr> <td>Data sheet</td> <td>007813</td> </tr> </table>   | Area coverage                        | 18 m / 20 zones      | Data sheet          | 007813                     | <p><b>BPZ:4459080001</b></p> |                                |                   |                                      |                             |                   |                 |                            |                             |            |                       |              |                    |      |                        |                  |        |          |                         |
| Area coverage   | 18 m / 20 zones                      |                      |                     |                            |                              |                                |                   |                                      |                             |                   |                 |                            |                             |            |                       |              |                    |      |                        |                  |        |          |                         |
| Data sheet  | 007813                               |                      |                     |                            |                              |                                |                   |                                      |                             |                   |                 |                            |                             |            |                       |              |                    |      |                        |                  |        |          |                         |
| <p><b>IR312MD</b>                      <b>PIR detector, 50 m long range curtain</b></p> <p>See IR31xMD.. for technical overview and note the additional / other specifications:</p> <table border="0"> <tr> <td>Area coverage</td> <td>50 m / 10 zones</td> </tr> <tr> <td>Data sheet</td> <td>007813</td> </tr> </table>   | Area coverage                        | 50 m / 10 zones      | Data sheet          | 007813                     | <p><b>BPZ:4461010001</b></p> |                                |                   |                                      |                             |                   |                 |                            |                             |            |                       |              |                    |      |                        |                  |        |          |                         |
| Area coverage   | 50 m / 10 zones                      |                      |                     |                            |                              |                                |                   |                                      |                             |                   |                 |                            |                             |            |                       |              |                    |      |                        |                  |        |          |                         |
| Data sheet  | 007813                               |                      |                     |                            |                              |                                |                   |                                      |                             |                   |                 |                            |                             |            |                       |              |                    |      |                        |                  |        |          |                         |

Intrusion Detectors  
**Internal Motion Detectors**  
**PIR Motion Detectors with Antimask**



Type

Order No.

IR270T

**PIR detector, 18 m wide angle with real-time antimask surveillance**

BPZ:5627130001



A unique combination of immunity to false alarms and maximum detection reliability make this detector ideal for a wide of applications, including commercial and industrial premises, large private houses and public buildings.

|                               |                                      |
|-------------------------------|--------------------------------------|
| Supply voltage                | 8 ~ 16 VDC (typical)                 |
| Current consumption           | 2.8 mA (<12 mA on alarm)             |
| Alarm relay output (NO/NC)    | 30 VDC / 100 mA / Ri 45 Ohm NC       |
| Tamper relay output (NO/NC)   | 30 VDC / 100 mA NC                   |
| Antimask relay output (NO/NC) | 30 VDC / 100 mA NC                   |
| Optical system                | Black triplex mirror 18 m            |
| Walk test input               | Low $\leq 1.5$ V / high $\geq 3.5$ V |
| Sensitivity evaluation mode   | 4 settings                           |
| Walking speed                 | 0.1 ~ 4 m/s (wide angle)             |
| Operating temperature         | -20 ~ +55 °C                         |
| Housing protection            | IP41                                 |
| Dimensions (W x H x D)        | 55 x 135.5 x 50 mm                   |
| Weight                        | 0.150 kg                             |
| Data sheet                    | 006894                               |
| Approval                      | VdS Class C                          |

IR270CT

**PIR detector, 18 m wide angle with real-time antimask surveillance for warm ambient conditions**

A5Q00003273





A unique combination of immunity to false alarms and maximum detection reliability make this detector ideal for a wide range of applications, including commercial and industrial premises, large private houses and public buildings.

|                               |                                      |
|-------------------------------|--------------------------------------|
| Supply voltage                | 8 ~ 16 VDC (typical)                 |
| Current consumption           | 3.2 mA (<12 mA on alarm)             |
| Alarm relay output (NO/NC)    | 30 VDC / 100 mA / Ri 45 Ohm NC       |
| Tamper relay output (NO/NC)   | 30 VDC / 100 mA NC                   |
| Antimask relay output (NO/NC) | 30 VDC / 100 mA NC                   |
| Optical system                | Black triplex mirror 18 m            |
| Walk test input               | Low $\leq 1.5$ V / high $\geq 3.5$ V |
| Sensitivity evaluation mode   | 4 settings                           |
| Walking speed                 | 0.1 ~ 4 m/s (wide angle)             |
| Operating temperature         | -20 ~ +55 °C                         |
| Housing protection            | IP41                                 |
| Dimensions (W x H x D)        | 55 x 135.5 x 50 mm                   |
| Weight                        | 0.150 kg                             |
| Data sheet                    | 007753                               |

# Intrusion Detectors

## Internal Motion Detectors

### Dual Internal Motion Detectors

| Type   | Order No.   |                 |                      |                     |                         |                     |                         |                            |                                |                             |                   |                             |                    |                        |                            |                       |  |                               |              |                        |                  |                         |                          |                 |        |        |          |
|--|---|-----------------|----------------------|---------------------|-------------------------|---------------------|-------------------------|----------------------------|--------------------------------|-----------------------------|-------------------|-----------------------------|--------------------|------------------------|----------------------------|-----------------------|--|-------------------------------|--------------|------------------------|------------------|-------------------------|--------------------------|-----------------|--------|--------|----------|
| IRM80  | BPZ:5716780001  |                 |                      |                     |                         |                     |                         |                            |                                |                             |                   |                             |                    |                        |                            |                       |  |                               |              |                        |                  |                         |                          |                 |        |        |          |
|   | <p><b>Fresnel PIR/MW motion detector, 12 m wide angle</b></p> <p>The IRM80 enables reliable recognition of intruders thanks to a sophisticated digital signal processing and the interconnection between the microwave and passive infrared sections. The detector's design can easily be incorporated into any surrounding.</p> <table border="0"> <tr> <td>Range</td> <td>12 m</td> </tr> <tr> <td>Supply voltage</td> <td>8 ~ 16 VDC (typical)</td> </tr> <tr> <td>Current consumption</td> <td>4.5 mA (18 mA on alarm)</td> </tr> <tr> <td>Alarm relay output (NO/NC)</td> <td>30 VDC / 100 mA / 45 Ohm NC</td> </tr> <tr> <td>Tamper relay output (NO/NC)</td> <td>30 VDC / 50 mA NC</td> </tr> <tr> <td>Microwave (MW)</td> <td>2.45 GHz</td> </tr> <tr> <td>Sensitivity adjustment</td> <td>2 levels</td> </tr> <tr> <td>Operating temperature</td> <td>-20 ~ +55 °C</td> </tr> <tr> <td>Housing protection (EN 60529)</td> <td>IP41</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>87 x 51 x 45 mm</td> </tr> <tr> <td>Weight</td> <td>0.100 kg</td> </tr> <tr> <td>Data sheet</td> <td>008559</td> </tr> </table>   | Range           | 12 m                 | Supply voltage      | 8 ~ 16 VDC (typical)    | Current consumption | 4.5 mA (18 mA on alarm) | Alarm relay output (NO/NC) | 30 VDC / 100 mA / 45 Ohm NC    | Tamper relay output (NO/NC) | 30 VDC / 50 mA NC | Microwave (MW)              | 2.45 GHz           | Sensitivity adjustment | 2 levels                   | Operating temperature | -20 ~ +55 °C                                   | Housing protection (EN 60529) | IP41         | Dimensions (W x H x D) | 87 x 51 x 45 mm  | Weight                  | 0.100 kg                 | Data sheet      | 008559 |        |          |
| Range  | 12 m  |                 |                      |                     |                         |                     |                         |                            |                                |                             |                   |                             |                    |                        |                            |                       |  |                               |              |                        |                  |                         |                          |                 |        |        |          |
| Supply voltage   | 8 ~ 16 VDC (typical)  |                 |                      |                     |                         |                     |                         |                            |                                |                             |                   |                             |                    |                        |                            |                       |  |                               |              |                        |                  |                         |                          |                 |        |        |          |
| Current consumption  | 4.5 mA (18 mA on alarm)   |                 |                      |                     |                         |                     |                         |                            |                                |                             |                   |                             |                    |                        |                            |                       |  |                               |              |                        |                  |                         |                          |                 |        |        |          |
| Alarm relay output (NO/NC)   | 30 VDC / 100 mA / 45 Ohm NC   |                 |                      |                     |                         |                     |                         |                            |                                |                             |                   |                             |                    |                        |                            |                       |  |                               |              |                        |                  |                         |                          |                 |        |        |          |
| Tamper relay output (NO/NC)  | 30 VDC / 50 mA NC   |                 |                      |                     |                         |                     |                         |                            |                                |                             |                   |                             |                    |                        |                            |                       |  |                               |              |                        |                  |                         |                          |                 |        |        |          |
| Microwave (MW)   | 2.45 GHz  |                 |                      |                     |                         |                     |                         |                            |                                |                             |                   |                             |                    |                        |                            |                       |  |                               |              |                        |                  |                         |                          |                 |        |        |          |
| Sensitivity adjustment   | 2 levels  |                 |                      |                     |                         |                     |                         |                            |                                |                             |                   |                             |                    |                        |                            |                       |  |                               |              |                        |                  |                         |                          |                 |        |        |          |
| Operating temperature  | -20 ~ +55 °C  |                 |                      |                     |                         |                     |                         |                            |                                |                             |                   |                             |                    |                        |                            |                       |  |                               |              |                        |                  |                         |                          |                 |        |        |          |
| Housing protection (EN 60529)  | IP41  |                 |                      |                     |                         |                     |                         |                            |                                |                             |                   |                             |                    |                        |                            |                       |  |                               |              |                        |                  |                         |                          |                 |        |        |          |
| Dimensions (W x H x D)   | 87 x 51 x 45 mm   |                 |                      |                     |                         |                     |                         |                            |                                |                             |                   |                             |                    |                        |                            |                       |  |                               |              |                        |                  |                         |                          |                 |        |        |          |
| Weight   | 0.100 kg  |                 |                      |                     |                         |                     |                         |                            |                                |                             |                   |                             |                    |                        |                            |                       |  |                               |              |                        |                  |                         |                          |                 |        |        |          |
| Data sheet   | 008559  |                 |                      |                     |                         |                     |                         |                            |                                |                             |                   |                             |                    |                        |                            |                       |  |                               |              |                        |                  |                         |                          |                 |        |        |          |
| IRM120..   | IRM120..  |                 |                      |                     |                         |                     |                         |                            |                                |                             |                   |                             |                    |                        |                            |                       |  |                               |              |                        |                  |                         |                          |                 |        |        |          |
|    | <p><b>PIR/MW motion detector, 12 m wide angle</b></p> <p>The detector's design is easily incorporated into any surrounding. Because two detection systems are used. This detector suits demanding applications. It can be simply adapted to any room size and it offers pet immunity up to 20 kg.</p> <table border="0"> <tr> <td>Supply voltage</td> <td>8 ~ 16 VDC (typical)</td> </tr> <tr> <td>Current consumption</td> <td>7.5 mA (20 mA on alarm)</td> </tr> <tr> <td>Microwave (MW)</td> <td>2.45 GHz</td> </tr> <tr> <td>Alarm relay output (NO/NC)</td> <td>30 VDC / 100 mA / Ri 45 Ohm NC</td> </tr> <tr> <td>Alarm holding time</td> <td>2 ~ 3 s</td> </tr> <tr> <td>Tamper relay output (NO/NC)</td> <td>30 VDC / 100 mA NC</td> </tr> <tr> <td>Control input</td> <td>Low ≤ 1.5 V / high ≥ 3.5 V</td> </tr> <tr> <td>Walking speed</td> <td>0.2 ~ 3 m/s volumetric,<br/>0.2 ~ 4 m/s curtain</td> </tr> <tr> <td>Operating temperature</td> <td>-20 ~ +55 °C</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>115 x 50 x 41 mm</td> </tr> <tr> <td>Air humidity (EN 60721)</td> <td>&lt; 95% rH, non-condensing</td> </tr> <tr> <td>EMC up to 2 GHz</td> <td>30 V/m</td> </tr> <tr> <td>Weight</td> <td>0.120 kg</td> </tr> </table> | Supply voltage  | 8 ~ 16 VDC (typical) | Current consumption | 7.5 mA (20 mA on alarm) | Microwave (MW)      | 2.45 GHz                | Alarm relay output (NO/NC) | 30 VDC / 100 mA / Ri 45 Ohm NC | Alarm holding time          | 2 ~ 3 s           | Tamper relay output (NO/NC) | 30 VDC / 100 mA NC | Control input          | Low ≤ 1.5 V / high ≥ 3.5 V | Walking speed         | 0.2 ~ 3 m/s volumetric,<br>0.2 ~ 4 m/s curtain | Operating temperature         | -20 ~ +55 °C | Dimensions (W x H x D) | 115 x 50 x 41 mm | Air humidity (EN 60721) | < 95% rH, non-condensing | EMC up to 2 GHz | 30 V/m | Weight | 0.120 kg |
| Supply voltage   | 8 ~ 16 VDC (typical)  |                 |                      |                     |                         |                     |                         |                            |                                |                             |                   |                             |                    |                        |                            |                       |  |                               |              |                        |                  |                         |                          |                 |        |        |          |
| Current consumption  | 7.5 mA (20 mA on alarm)   |                 |                      |                     |                         |                     |                         |                            |                                |                             |                   |                             |                    |                        |                            |                       |  |                               |              |                        |                  |                         |                          |                 |        |        |          |
| Microwave (MW)   | 2.45 GHz  |                 |                      |                     |                         |                     |                         |                            |                                |                             |                   |                             |                    |                        |                            |                       |  |                               |              |                        |                  |                         |                          |                 |        |        |          |
| Alarm relay output (NO/NC)   | 30 VDC / 100 mA / Ri 45 Ohm NC  |                 |                      |                     |                         |                     |                         |                            |                                |                             |                   |                             |                    |                        |                            |                       |  |                               |              |                        |                  |                         |                          |                 |        |        |          |
| Alarm holding time   | 2 ~ 3 s   |                 |                      |                     |                         |                     |                         |                            |                                |                             |                   |                             |                    |                        |                            |                       |  |                               |              |                        |                  |                         |                          |                 |        |        |          |
| Tamper relay output (NO/NC)  | 30 VDC / 100 mA NC  |                 |                      |                     |                         |                     |                         |                            |                                |                             |                   |                             |                    |                        |                            |                       |  |                               |              |                        |                  |                         |                          |                 |        |        |          |
| Control input  | Low ≤ 1.5 V / high ≥ 3.5 V  |                 |                      |                     |                         |                     |                         |                            |                                |                             |                   |                             |                    |                        |                            |                       |  |                               |              |                        |                  |                         |                          |                 |        |        |          |
| Walking speed  | 0.2 ~ 3 m/s volumetric,<br>0.2 ~ 4 m/s curtain  |                 |                      |                     |                         |                     |                         |                            |                                |                             |                   |                             |                    |                        |                            |                       |  |                               |              |                        |                  |                         |                          |                 |        |        |          |
| Operating temperature  | -20 ~ +55 °C  |                 |                      |                     |                         |                     |                         |                            |                                |                             |                   |                             |                    |                        |                            |                       |  |                               |              |                        |                  |                         |                          |                 |        |        |          |
| Dimensions (W x H x D)   | 115 x 50 x 41 mm  |                 |                      |                     |                         |                     |                         |                            |                                |                             |                   |                             |                    |                        |                            |                       |  |                               |              |                        |                  |                         |                          |                 |        |        |          |
| Air humidity (EN 60721)  | < 95% rH, non-condensing  |                 |                      |                     |                         |                     |                         |                            |                                |                             |                   |                             |                    |                        |                            |                       |  |                               |              |                        |                  |                         |                          |                 |        |        |          |
| EMC up to 2 GHz  | 30 V/m  |                 |                      |                     |                         |                     |                         |                            |                                |                             |                   |                             |                    |                        |                            |                       |  |                               |              |                        |                  |                         |                          |                 |        |        |          |
| Weight   | 0.120 kg  |                 |                      |                     |                         |                     |                         |                            |                                |                             |                   |                             |                    |                        |                            |                       |  |                               |              |                        |                  |                         |                          |                 |        |        |          |
| IRM120C  | A5Q00004068   |                 |                      |                     |                         |                     |                         |                            |                                |                             |                   |                             |                    |                        |                            |                       |  |                               |              |                        |                  |                         |                          |                 |        |        |          |
| <p><b>PIR/MW motion detector, 12 m wide angle</b></p> <p>See IRM120.. for technical overview and note the additional / other specifications:</p> <table border="0"> <tr> <td>Range</td> <td>12 m wide angle</td> </tr> <tr> <td>Data sheet</td> <td>008261</td> </tr> </table>   | Range   | 12 m wide angle | Data sheet           | 008261              |                         |                     |                         |                            |                                |                             |                   |                             |                    |                        |                            |                       |  |                               |              |                        |                  |                         |                          |                 |        |        |          |
| Range  | 12 m wide angle   |                 |                      |                     |                         |                     |                         |                            |                                |                             |                   |                             |                    |                        |                            |                       |  |                               |              |                        |                  |                         |                          |                 |        |        |          |
| Data sheet   | 008261  |                 |                      |                     |                         |                     |                         |                            |                                |                             |                   |                             |                    |                        |                            |                       |  |                               |              |                        |                  |                         |                          |                 |        |        |          |
| IRM120MD   | A5Q00001997   |                 |                      |                     |                         |                     |                         |                            |                                |                             |                   |                             |                    |                        |                            |                       |  |                               |              |                        |                  |                         |                          |                 |        |        |          |
| <p><b>PIR/MW motion detector, 12 m wide angle, VdS approval</b></p> <p>See IRM120.. for technical overview and note the additional / other specifications:</p> <table border="0"> <tr> <td>Range</td> <td>12 m wide angle</td> </tr> <tr> <td>Approval</td> <td>VdS Class B</td> </tr> <tr> <td>Data sheet</td> <td>008252</td> </tr> </table> | Range   | 12 m wide angle | Approval             | VdS Class B         | Data sheet              | 008252              |                         |                            |                                |                             |                   |                             |                    |                        |                            |                       |  |                               |              |                        |                  |                         |                          |                 |        |        |          |
| Range  | 12 m wide angle   |                 |                      |                     |                         |                     |                         |                            |                                |                             |                   |                             |                    |                        |                            |                       |  |                               |              |                        |                  |                         |                          |                 |        |        |          |
| Approval   | VdS Class B   |                 |                      |                     |                         |                     |                         |                            |                                |                             |                   |                             |                    |                        |                            |                       |  |                               |              |                        |                  |                         |                          |                 |        |        |          |
| Data sheet   | 008252  |                 |                      |                     |                         |                     |                         |                            |                                |                             |                   |                             |                    |                        |                            |                       |  |                               |              |                        |                  |                         |                          |                 |        |        |          |

Intrusion Detectors  
**Internal Motion Detectors**  
**Dual Internal Motion Detectors**



Type

Order No.

IRM270..



**PIR/MW motion detector, 18 m wide angle**

Reliable recognition of intruders is ensured thanks to sophisticated digital signal processing and interconnection between the microwave and passive infrared sections. To achieve this, both subsystems are subject to a multi-criteria analysis, and any unwanted interference is recognized and suppressed by the individual subsystems.

|                             |                                |
|-----------------------------|--------------------------------|
| Range                       | 18 m                           |
| Supply voltage              | 8 ~ 16 VDC (typical)           |
| Current consumption         | 7.5 mA (13 mA on alarm)        |
| Alarm relay output (NO/NC)  | 30 VDC / 100 mA / Ri 33 Ohm NC |
| Alarm holding time          | 2 ~ 3 s                        |
| Tamper relay output (NO/NC) | 30 VDC / 50 mA NC              |
| Control input               | Low ≤ 1.5 V / high ≥ 3.5 V     |
| Walking speed               | 0.2 ~ 4 m/s                    |
| Operating temperature       | -20 ~ +55 °C                   |
| Dimensions (W x H x D)      | 136 x 55 x 57 mm               |
| Air humidity (EN 60721)     | < 95% rH, non-condensing       |
| EMC up to 2 GHz             | 30 V/m                         |
| Weight                      | 0.120 kg                       |

IRM270..

IRM270C

**PIR/MW motion detector, 18 m wide angle, 10.525 GHz**

See IRM270.. for technical overview and note the additional / other specifications:

|                |            |
|----------------|------------|
| Microwave (MW) | 10.525 GHz |
| Data sheet     | 008556     |

A5Q00007825

IRM270MD

**PIR/MW motion detector, 18 m wide angle, 9.35 GHz, VdS approval**

See IRM270.. for technical overview and note the additional / other specifications:

|                |             |
|----------------|-------------|
| Microwave (MW) | 9.35 GHz    |
| Approval       | VdS Class B |
| Data sheet     | 008528      |

A5Q00002671

IRM270CFR

**PIR/MW motion detector, 18 m wide angle, 9.9 GHz**

See IRM270.. for technical overview and note the additional / other specifications:

|                |         |
|----------------|---------|
| Microwave (MW) | 9.9 GHz |
| Data sheet     | 008557  |

A5Q00007831

IRM270CUK

**PIR/MW motion detector, 18 m wide angle, 10.687 GHz**

See IRM270.. for technical overview and note the additional / other specifications:


|                |            |
|----------------|------------|
| Microwave (MW) | 10.687 GHz |
| Data sheet     | 008558     |

A5Q00007840

# Intrusion Detectors

## Internal Motion Detectors

### Dual Internal Motion Detectors with Antimask

| Type                          |  | Order No.      |                 |                |                           |                     |                         |                            |                                |                    |         |                             |                    |                               |                    |               |                            |               |               |                       |              |                        |                  |                 |        |        |          |           |
|-------------------------------|--|----------------|-----------------|----------------|---------------------------|---------------------|-------------------------|----------------------------|--------------------------------|--------------------|---------|-----------------------------|--------------------|-------------------------------|--------------------|---------------|----------------------------|---------------|---------------|-----------------------|--------------|------------------------|------------------|-----------------|--------|--------|----------|-----------|
| IRM270T..                     | <p><b>PIR/MW motion detector with real-time antimask surveillance, 18 m wide angle</b></p> <p>Reliable recognition of intruders is ensured thanks to sophisticated digital signal processing and interconnection between the microwave and passive-infrared sections. To achieve this, both subsystems are subject to a multi-criteria analysis, and any unwanted interference is recognized and suppressed by the individual subsystems.</p>  <table> <tr> <td>Range</td> <td>18 m wide angle</td> </tr> <tr> <td>Supply voltage</td> <td>9 ~ 16 VDC (12 V nominal)</td> </tr> <tr> <td>Current consumption</td> <td>8.0 mA (15 mA on alarm)</td> </tr> <tr> <td>Alarm relay output (NO/NC)</td> <td>30 VDC / 100 mA / Ri 35 Ohm NC</td> </tr> <tr> <td>Alarm holding time</td> <td>2 ~ 3 s</td> </tr> <tr> <td>Tamper relay output (NO/NC)</td> <td>30 VDC / 100 mA NC</td> </tr> <tr> <td>Antimask relay output (NO/NC)</td> <td>30 VDC / 100 mA NC</td> </tr> <tr> <td>Control input</td> <td>Low ≤ 1.5 V / high ≥ 3.5 V</td> </tr> <tr> <td>Walking speed</td> <td>0.1 ~ 4.0 m/s</td> </tr> <tr> <td>Operating temperature</td> <td>-20 ~ +55 °C</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>136 x 55 x 57 mm</td> </tr> <tr> <td>EMC up to 2 GHz</td> <td>30 V/m</td> </tr> <tr> <td>Weight</td> <td>0.130 kg</td> </tr> </table> | Range          | 18 m wide angle | Supply voltage | 9 ~ 16 VDC (12 V nominal) | Current consumption | 8.0 mA (15 mA on alarm) | Alarm relay output (NO/NC) | 30 VDC / 100 mA / Ri 35 Ohm NC | Alarm holding time | 2 ~ 3 s | Tamper relay output (NO/NC) | 30 VDC / 100 mA NC | Antimask relay output (NO/NC) | 30 VDC / 100 mA NC | Control input | Low ≤ 1.5 V / high ≥ 3.5 V | Walking speed | 0.1 ~ 4.0 m/s | Operating temperature | -20 ~ +55 °C | Dimensions (W x H x D) | 136 x 55 x 57 mm | EMC up to 2 GHz | 30 V/m | Weight | 0.130 kg | IRM270T.. |
| Range                         | 18 m wide angle  |                |                 |                |                           |                     |                         |                            |                                |                    |         |                             |                    |                               |                    |               |                            |               |               |                       |              |                        |                  |                 |        |        |          |           |
| Supply voltage                | 9 ~ 16 VDC (12 V nominal)  |                |                 |                |                           |                     |                         |                            |                                |                    |         |                             |                    |                               |                    |               |                            |               |               |                       |              |                        |                  |                 |        |        |          |           |
| Current consumption           | 8.0 mA (15 mA on alarm)  |                |                 |                |                           |                     |                         |                            |                                |                    |         |                             |                    |                               |                    |               |                            |               |               |                       |              |                        |                  |                 |        |        |          |           |
| Alarm relay output (NO/NC)    | 30 VDC / 100 mA / Ri 35 Ohm NC   |                |                 |                |                           |                     |                         |                            |                                |                    |         |                             |                    |                               |                    |               |                            |               |               |                       |              |                        |                  |                 |        |        |          |           |
| Alarm holding time            | 2 ~ 3 s  |                |                 |                |                           |                     |                         |                            |                                |                    |         |                             |                    |                               |                    |               |                            |               |               |                       |              |                        |                  |                 |        |        |          |           |
| Tamper relay output (NO/NC)   | 30 VDC / 100 mA NC   |                |                 |                |                           |                     |                         |                            |                                |                    |         |                             |                    |                               |                    |               |                            |               |               |                       |              |                        |                  |                 |        |        |          |           |
| Antimask relay output (NO/NC) | 30 VDC / 100 mA NC   |                |                 |                |                           |                     |                         |                            |                                |                    |         |                             |                    |                               |                    |               |                            |               |               |                       |              |                        |                  |                 |        |        |          |           |
| Control input                 | Low ≤ 1.5 V / high ≥ 3.5 V   |                |                 |                |                           |                     |                         |                            |                                |                    |         |                             |                    |                               |                    |               |                            |               |               |                       |              |                        |                  |                 |        |        |          |           |
| Walking speed                 | 0.1 ~ 4.0 m/s  |                |                 |                |                           |                     |                         |                            |                                |                    |         |                             |                    |                               |                    |               |                            |               |               |                       |              |                        |                  |                 |        |        |          |           |
| Operating temperature         | -20 ~ +55 °C   |                |                 |                |                           |                     |                         |                            |                                |                    |         |                             |                    |                               |                    |               |                            |               |               |                       |              |                        |                  |                 |        |        |          |           |
| Dimensions (W x H x D)        | 136 x 55 x 57 mm   |                |                 |                |                           |                     |                         |                            |                                |                    |         |                             |                    |                               |                    |               |                            |               |               |                       |              |                        |                  |                 |        |        |          |           |
| EMC up to 2 GHz               | 30 V/m   |                |                 |                |                           |                     |                         |                            |                                |                    |         |                             |                    |                               |                    |               |                            |               |               |                       |              |                        |                  |                 |        |        |          |           |
| Weight                        | 0.130 kg   |                |                 |                |                           |                     |                         |                            |                                |                    |         |                             |                    |                               |                    |               |                            |               |               |                       |              |                        |                  |                 |        |        |          |           |
| IRM270CT                      | <p><b>PIR/MW motion detector with real-time antimask surveillance, 18 m wide angle, 10.525 GHz</b></p> <p>See IRM270T.. for technical overview and note the additional / other specifications:</p> <table> <tr> <td>Microwave (MW)</td> <td>10.525 GHz</td> </tr> <tr> <td>Data sheet</td> <td>008970</td> </tr> </table>   | Microwave (MW) | 10.525 GHz      | Data sheet     | 008970                    | A5Q00007851         |                         |                            |                                |                    |         |                             |                    |                               |                    |               |                            |               |               |                       |              |                        |                  |                 |        |        |          |           |
| Microwave (MW)                | 10.525 GHz   |                |                 |                |                           |                     |                         |                            |                                |                    |         |                             |                    |                               |                    |               |                            |               |               |                       |              |                        |                  |                 |        |        |          |           |
| Data sheet                    | 008970   |                |                 |                |                           |                     |                         |                            |                                |                    |         |                             |                    |                               |                    |               |                            |               |               |                       |              |                        |                  |                 |        |        |          |           |
| IRM270T                       | <p><b>PIR/MW motion detector with real-time antimask surveillance, 18 m wide angle, 9.35 GHz</b></p> <p>See IRM270T.. for technical overview and note the additional / other specifications:</p> <table> <tr> <td>Microwave (MW)</td> <td>9.35 GHz</td> </tr> <tr> <td>Data sheet</td> <td>008969</td> </tr> </table>   | Microwave (MW) | 9.35 GHz        | Data sheet     | 008969                    | A5Q00002416         |                         |                            |                                |                    |         |                             |                    |                               |                    |               |                            |               |               |                       |              |                        |                  |                 |        |        |          |           |
| Microwave (MW)                | 9.35 GHz   |                |                 |                |                           |                     |                         |                            |                                |                    |         |                             |                    |                               |                    |               |                            |               |               |                       |              |                        |                  |                 |        |        |          |           |
| Data sheet                    | 008969   |                |                 |                |                           |                     |                         |                            |                                |                    |         |                             |                    |                               |                    |               |                            |               |               |                       |              |                        |                  |                 |        |        |          |           |
| IRM270CTFR                    | <p><b>PIR/MW motion detector with real-time antimask surveillance, 18 m wide angle, 9.9 GHz</b></p> <p>See IRM270T.. for technical overview and note the additional / other specifications:</p> <table> <tr> <td>Microwave (MW)</td> <td>9.9 GHz</td> </tr> <tr> <td>Data sheet</td> <td>008972</td> </tr> </table>   | Microwave (MW) | 9.9 GHz         | Data sheet     | 008972                    | A5Q00007891         |                         |                            |                                |                    |         |                             |                    |                               |                    |               |                            |               |               |                       |              |                        |                  |                 |        |        |          |           |
| Microwave (MW)                | 9.9 GHz  |                |                 |                |                           |                     |                         |                            |                                |                    |         |                             |                    |                               |                    |               |                            |               |               |                       |              |                        |                  |                 |        |        |          |           |
| Data sheet                    | 008972   |                |                 |                |                           |                     |                         |                            |                                |                    |         |                             |                    |                               |                    |               |                            |               |               |                       |              |                        |                  |                 |        |        |          |           |
| IRM270CTUK                    | <p><b>PIR/MW motion detector with real-time antimask surveillance, 18 m wide angle, 10.687 GHz</b></p> <p>See IRM270T.. for technical overview and note the additional / other specifications:</p> <table> <tr> <td>Microwave (MW)</td> <td>10.687 GHz</td> </tr> <tr> <td>Data sheet</td> <td>008971</td> </tr> </table>   | Microwave (MW) | 10.687 GHz      | Data sheet     | 008971                    | A5Q00007894         |                         |                            |                                |                    |         |                             |                    |                               |                    |               |                            |               |               |                       |              |                        |                  |                 |        |        |          |           |
| Microwave (MW)                | 10.687 GHz   |                |                 |                |                           |                     |                         |                            |                                |                    |         |                             |                    |                               |                    |               |                            |               |               |                       |              |                        |                  |                 |        |        |          |           |
| Data sheet                    | 008971   |                |                 |                |                           |                     |                         |                            |                                |                    |         |                             |                    |                               |                    |               |                            |               |               |                       |              |                        |                  |                 |        |        |          |           |



Intrusion Detectors  
 Internal Motion Detectors  
 PIR/Ultrasound Motion Detectors



Type

Order No.

UP370..

**PIR/US detector, 10 m wide angle**

Attractive design, reliable motion detection and excellent immunity to disturbances make the UP370.. ideal for demanding commercial, industrial and high-security applications.



|                               |                                   |
|-------------------------------|-----------------------------------|
| Supply voltage                | 8 ~ 16 VDC (typical)              |
| Real-time signal evaluation   | By ultrasound and active infrared |
| Alarm relay output (NO/NC)    | 30 VDC / 100 mA / Ri 32 Ohm NC    |
| Tamper relay output (NO/NC)   | 30 VDC / 100 mA NC                |
| Control input                 | Low ≤ 1.5 V / high ≥ 3.5 V        |
| Sensitivity adjustment        | 4 settings                        |
| Walking speed                 | 0.1 ~ 4 m/s                       |
| Operating temperature         | -20 ~ +55°C                       |
| Housing protection (EN 60529) | IP41                              |
| Dimensions (W x H x D)        | 70 x 170 x 63 mm                  |
| Weight                        | 0.220 kg                          |

UP370..

UP370C

**PIR/US detector, 10 m wide angle**

See UP370.. for technical overview and note the additional / other specifications:

|            |                 |
|------------|-----------------|
| Range      | 10 m wide angle |
| Data sheet | 007804          |

BPZ:5198180001

UP370MD

**PIR/US detector, 10 m wide angle, VdS approval**

See UP370.. for technical overview and note the additional / other specifications:


|            |                 |
|------------|-----------------|
| Range      | 10 m wide angle |
| Approval   | VdS Class B     |
| Data sheet | 007805          |

BPZ:5198210001

# Intrusion Detectors

## Internal Motion Detectors

### PIR/Ultrasonnd Motion Detectors with Antimask

| Type  | Order No.  |                     |                        |                             |                                   |       |                 |                |                      |                            |                                |                             |                    |                               |                    |               |                                      |                        |            |               |             |                       |              |                               |      |                        |                  |        |          |
|---|--|---------------------|------------------------|-----------------------------|-----------------------------------|-------|-----------------|----------------|----------------------|----------------------------|--------------------------------|-----------------------------|--------------------|-------------------------------|--------------------|---------------|--------------------------------------|------------------------|------------|---------------|-------------|-----------------------|--------------|-------------------------------|------|------------------------|------------------|--------|----------|
| UP370T..  | UP370T..   |                     |                        |                             |                                   |       |                 |                |                      |                            |                                |                             |                    |                               |                    |               |                                      |                        |            |               |             |                       |              |                               |      |                        |                  |        |          |
|    | <p><b>PIR/US detector with real-time antimask surveillance</b></p> <p>Appealing design, reliable motion detection, professional antimask surveillance and excellent immunity to disturbances make this detector ideal for demanding commercial, industrial and high-security applications.</p> <table border="0"> <tr> <td>Current consumption</td> <td>18 mA (34 mA on alarm)</td> </tr> <tr> <td>Real-time signal evaluation</td> <td>By ultrasound and active infrared</td> </tr> <tr> <td>Range</td> <td>10 m wide angle</td> </tr> <tr> <td>Supply voltage</td> <td>8 ~ 16 VDC (typical)</td> </tr> <tr> <td>Alarm relay output (NO/NC)</td> <td>30 VDC / 100 mA / Ri 45 Ohm NC</td> </tr> <tr> <td>Tamper relay output (NO/NC)</td> <td>30 VDC / 100 mA NC</td> </tr> <tr> <td>Antimask relay output (NO/NC)</td> <td>30 VDC / 100 mA NC</td> </tr> <tr> <td>Control input</td> <td>Low <math>\leq 1.5</math> V / high <math>\geq 3.5</math> V</td> </tr> <tr> <td>Sensitivity adjustment</td> <td>4 settings</td> </tr> <tr> <td>Walking speed</td> <td>0.1 ~ 4 m/s</td> </tr> <tr> <td>Operating temperature</td> <td>-20 ~ +55 °C</td> </tr> <tr> <td>Housing protection (EN 60529)</td> <td>IP41</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>70 x 170 x 63 mm</td> </tr> <tr> <td>Weight</td> <td>0.220 kg</td> </tr> </table> | Current consumption | 18 mA (34 mA on alarm) | Real-time signal evaluation | By ultrasound and active infrared | Range | 10 m wide angle | Supply voltage | 8 ~ 16 VDC (typical) | Alarm relay output (NO/NC) | 30 VDC / 100 mA / Ri 45 Ohm NC | Tamper relay output (NO/NC) | 30 VDC / 100 mA NC | Antimask relay output (NO/NC) | 30 VDC / 100 mA NC | Control input | Low $\leq 1.5$ V / high $\geq 3.5$ V | Sensitivity adjustment | 4 settings | Walking speed | 0.1 ~ 4 m/s | Operating temperature | -20 ~ +55 °C | Housing protection (EN 60529) | IP41 | Dimensions (W x H x D) | 70 x 170 x 63 mm | Weight | 0.220 kg |
| Current consumption   | 18 mA (34 mA on alarm)   |                     |                        |                             |                                   |       |                 |                |                      |                            |                                |                             |                    |                               |                    |               |                                      |                        |            |               |             |                       |              |                               |      |                        |                  |        |          |
| Real-time signal evaluation   | By ultrasound and active infrared  |                     |                        |                             |                                   |       |                 |                |                      |                            |                                |                             |                    |                               |                    |               |                                      |                        |            |               |             |                       |              |                               |      |                        |                  |        |          |
| Range   | 10 m wide angle  |                     |                        |                             |                                   |       |                 |                |                      |                            |                                |                             |                    |                               |                    |               |                                      |                        |            |               |             |                       |              |                               |      |                        |                  |        |          |
| Supply voltage  | 8 ~ 16 VDC (typical)   |                     |                        |                             |                                   |       |                 |                |                      |                            |                                |                             |                    |                               |                    |               |                                      |                        |            |               |             |                       |              |                               |      |                        |                  |        |          |
| Alarm relay output (NO/NC)  | 30 VDC / 100 mA / Ri 45 Ohm NC   |                     |                        |                             |                                   |       |                 |                |                      |                            |                                |                             |                    |                               |                    |               |                                      |                        |            |               |             |                       |              |                               |      |                        |                  |        |          |
| Tamper relay output (NO/NC)   | 30 VDC / 100 mA NC   |                     |                        |                             |                                   |       |                 |                |                      |                            |                                |                             |                    |                               |                    |               |                                      |                        |            |               |             |                       |              |                               |      |                        |                  |        |          |
| Antimask relay output (NO/NC)   | 30 VDC / 100 mA NC   |                     |                        |                             |                                   |       |                 |                |                      |                            |                                |                             |                    |                               |                    |               |                                      |                        |            |               |             |                       |              |                               |      |                        |                  |        |          |
| Control input   | Low $\leq 1.5$ V / high $\geq 3.5$ V   |                     |                        |                             |                                   |       |                 |                |                      |                            |                                |                             |                    |                               |                    |               |                                      |                        |            |               |             |                       |              |                               |      |                        |                  |        |          |
| Sensitivity adjustment  | 4 settings   |                     |                        |                             |                                   |       |                 |                |                      |                            |                                |                             |                    |                               |                    |               |                                      |                        |            |               |             |                       |              |                               |      |                        |                  |        |          |
| Walking speed   | 0.1 ~ 4 m/s  |                     |                        |                             |                                   |       |                 |                |                      |                            |                                |                             |                    |                               |                    |               |                                      |                        |            |               |             |                       |              |                               |      |                        |                  |        |          |
| Operating temperature   | -20 ~ +55 °C   |                     |                        |                             |                                   |       |                 |                |                      |                            |                                |                             |                    |                               |                    |               |                                      |                        |            |               |             |                       |              |                               |      |                        |                  |        |          |
| Housing protection (EN 60529)   | IP41   |                     |                        |                             |                                   |       |                 |                |                      |                            |                                |                             |                    |                               |                    |               |                                      |                        |            |               |             |                       |              |                               |      |                        |                  |        |          |
| Dimensions (W x H x D)  | 70 x 170 x 63 mm   |                     |                        |                             |                                   |       |                 |                |                      |                            |                                |                             |                    |                               |                    |               |                                      |                        |            |               |             |                       |              |                               |      |                        |                  |        |          |
| Weight  | 0.220 kg   |                     |                        |                             |                                   |       |                 |                |                      |                            |                                |                             |                    |                               |                    |               |                                      |                        |            |               |             |                       |              |                               |      |                        |                  |        |          |
| UP370T  | BPZ:5199990001   |                     |                        |                             |                                   |       |                 |                |                      |                            |                                |                             |                    |                               |                    |               |                                      |                        |            |               |             |                       |              |                               |      |                        |                  |        |          |
| <p><b>PIR/US detector with real-time antimask surveillance, 10 m wide angle, VdS approval</b></p> <p>See UP370T.. for technical overview and note the additional / other specifications:</p> <table border="0"> <tr> <td>Approval</td> <td>VdS Class C</td> </tr> <tr> <td>Data sheet</td> <td>007806</td> </tr> </table>           | Approval   | VdS Class C         | Data sheet             | 007806                      |                                   |       |                 |                |                      |                            |                                |                             |                    |                               |                    |               |                                      |                        |            |               |             |                       |              |                               |      |                        |                  |        |          |
| Approval  | VdS Class C  |                     |                        |                             |                                   |       |                 |                |                      |                            |                                |                             |                    |                               |                    |               |                                      |                        |            |               |             |                       |              |                               |      |                        |                  |        |          |
| Data sheet  | 007806   |                     |                        |                             |                                   |       |                 |                |                      |                            |                                |                             |                    |                               |                    |               |                                      |                        |            |               |             |                       |              |                               |      |                        |                  |        |          |
| UP370TLSN   | BPZ:5397880001   |                     |                        |                             |                                   |       |                 |                |                      |                            |                                |                             |                    |                               |                    |               |                                      |                        |            |               |             |                       |              |                               |      |                        |                  |        |          |
| <p><b>PIR/US detector with real-time antimask surveillance, 10 m wide angle, VdS approval, LSN</b></p> <p>See UP370T.. for technical overview and note the additional / other specifications:</p> <table border="0"> <tr> <td>Approval</td> <td>VdS Class C</td> </tr> <tr> <td>Bus connection for</td> <td>LSN</td> </tr> </table> | Approval   | VdS Class C         | Bus connection for     | LSN                         |                                   |       |                 |                |                      |                            |                                |                             |                    |                               |                    |               |                                      |                        |            |               |             |                       |              |                               |      |                        |                  |        |          |
| Approval  | VdS Class C  |                     |                        |                             |                                   |       |                 |                |                      |                            |                                |                             |                    |                               |                    |               |                                      |                        |            |               |             |                       |              |                               |      |                        |                  |        |          |
| Bus connection for  | LSN  |                     |                        |                             |                                   |       |                 |                |                      |                            |                                |                             |                    |                               |                    |               |                                      |                        |            |               |             |                       |              |                               |      |                        |                  |        |          |

Intrusion Detectors  
**Internal Motion Detectors**  
**PIR/Optical Motion Detectors**



Type

Order No.

IRO840T

**Dual motion detector with real-time antimask surveillance, 15 m wide angle, VdS approval**

A5Q00003034



EyeteC is a 15 m dual motion detector featuring a unique combination of PIR technology and the optical detection system (ODS). Antimasking and the novel antiblocking capability enable EyeteC to meet stringent EN 50131-Grade 4 requirements.

|                               |                                      |
|-------------------------------|--------------------------------------|
| Range                         | 15 m                                 |
| Supply voltage                | 8 ~ 16 VDC (typical)                 |
| Current consumption           | 18 mA (32 mA on alarm)               |
| Alarm relay output (NO/NC)    | 30 VDC / 100 mA NC / Ri 45 Ohm NC    |
| Alarm holding time            | 2 ~ 3 s                              |
| Tamper relay output (NO/NC)   | 30 VDC / 100 mA NC                   |
| Antimask relay output (NO/NC) | 30 VDC / 100 mA NC                   |
| Control input                 | Low $\leq$ 1.5 V / high $\geq$ 3.5 V |
| Walking speed                 | 0.1 ~ 4 m/s                          |
| Operating temperature         | -10 ~ +55 °C                         |
| Dimensions (W x H x D)        | 170 x 70 x 80 mm                     |
| Air humidity (EN 60721)       | < 95% rH, non-condensing             |
| EMC up to 2 GHz               | 30 V/m                               |
| Approval                      | VdS Class C                          |
| Weight                        | 0.230 kg                             |
| Data sheet                    | 008432                               |

IRO480T SW accessory set

**SW accessory set**

A5Q00004266

With the IRO SW accessory set it is easy to exclude areas from surveillance, define exit routes allowing only a specific moving direction. Pictures stored before, during and after an alarm event can be easily downloaded.

Required memory on hard disk: ca 25 MB


Operating system: Windows / 98 / 2000 / NT 4.0 / XP

Computer: Pentium 166 MHz or faster, with at minimum 40 MB RAM

# Intrusion Detectors

## Internal Motion Detectors

### PIR Ceiling Mount Motion Detectors

| Type  | Order No.   |       |                      |                |                         |                     |         |                            |                                  |                        |          |                       |              |                    |                          |                             |      |                    |             |        |          |            |        |
|---|---|-------|----------------------|----------------|-------------------------|---------------------|---------|----------------------------|----------------------------------|------------------------|----------|-----------------------|--------------|--------------------|--------------------------|-----------------------------|------|--------------------|-------------|--------|----------|------------|--------|
| <b>IR261</b>  | <b>BPZ:5667770001</b>   |       |                      |                |                         |                     |         |                            |                                  |                        |          |                       |              |                    |                          |                             |      |                    |             |        |          |            |        |
|  | <p><b>PIR for ceiling</b></p> <p>IR261 ceiling-mounted passive infrared detector offers a detection coverage of 360°.</p> <table><tr><td>Range</td><td>18 m diameter / 360°</td></tr><tr><td>Supply voltage</td><td>10.5 ~ 18 VDC (typical)</td></tr><tr><td>Current consumption</td><td>&lt; 35 mA</td></tr><tr><td>Alarm relay output (NO/NC)</td><td>30 VDC / 250 mA / Ri 3.30 Ohm NC</td></tr><tr><td>Sensitivity adjustment</td><td>4 levels</td></tr><tr><td>Operating temperature</td><td>-15 ~ +55 °C</td></tr><tr><td>Humidity (EN60721)</td><td>&lt; 95% rF, non-condensing</td></tr><tr><td>Housing protection (IEC529)</td><td>IP41</td></tr><tr><td>Dimensions (Ø x H)</td><td>120 x 47 mm</td></tr><tr><td>Weight</td><td>0.130 kg</td></tr><tr><td>Data sheet</td><td>007776</td></tr></table> | Range | 18 m diameter / 360° | Supply voltage | 10.5 ~ 18 VDC (typical) | Current consumption | < 35 mA | Alarm relay output (NO/NC) | 30 VDC / 250 mA / Ri 3.30 Ohm NC | Sensitivity adjustment | 4 levels | Operating temperature | -15 ~ +55 °C | Humidity (EN60721) | < 95% rF, non-condensing | Housing protection (IEC529) | IP41 | Dimensions (Ø x H) | 120 x 47 mm | Weight | 0.130 kg | Data sheet | 007776 |
| Range   | 18 m diameter / 360°  |       |                      |                |                         |                     |         |                            |                                  |                        |          |                       |              |                    |                          |                             |      |                    |             |        |          |            |        |
| Supply voltage  | 10.5 ~ 18 VDC (typical)   |       |                      |                |                         |                     |         |                            |                                  |                        |          |                       |              |                    |                          |                             |      |                    |             |        |          |            |        |
| Current consumption   | < 35 mA   |       |                      |                |                         |                     |         |                            |                                  |                        |          |                       |              |                    |                          |                             |      |                    |             |        |          |            |        |
| Alarm relay output (NO/NC)  | 30 VDC / 250 mA / Ri 3.30 Ohm NC  |       |                      |                |                         |                     |         |                            |                                  |                        |          |                       |              |                    |                          |                             |      |                    |             |        |          |            |        |
| Sensitivity adjustment  | 4 levels  |       |                      |                |                         |                     |         |                            |                                  |                        |          |                       |              |                    |                          |                             |      |                    |             |        |          |            |        |
| Operating temperature   | -15 ~ +55 °C  |       |                      |                |                         |                     |         |                            |                                  |                        |          |                       |              |                    |                          |                             |      |                    |             |        |          |            |        |
| Humidity (EN60721)  | < 95% rF, non-condensing  |       |                      |                |                         |                     |         |                            |                                  |                        |          |                       |              |                    |                          |                             |      |                    |             |        |          |            |        |
| Housing protection (IEC529)   | IP41  |       |                      |                |                         |                     |         |                            |                                  |                        |          |                       |              |                    |                          |                             |      |                    |             |        |          |            |        |
| Dimensions (Ø x H)  | 120 x 47 mm   |       |                      |                |                         |                     |         |                            |                                  |                        |          |                       |              |                    |                          |                             |      |                    |             |        |          |            |        |
| Weight  | 0.130 kg  |       |                      |                |                         |                     |         |                            |                                  |                        |          |                       |              |                    |                          |                             |      |                    |             |        |          |            |        |
| Data sheet  | 007776  |       |                      |                |                         |                     |         |                            |                                  |                        |          |                       |              |                    |                          |                             |      |                    |             |        |          |            |        |

# Intrunet motion detectors

Proven performance, detection reliability  
and false alarm immunity ...

















... in all environments, from quiet to harsh.

# Intrusion Detectors

## Internal Motion Detectors





### Wireless Compatibility Overview

|   |   |  <b>IC60</b>                       |           |   |         |
|---|---|---|-----------|---|---------|
|   |   | IC60W-10  | IC60WA-10 | IC60-8  | IC60M-8 |
|   |   | SiWay as standard   |           |  <b>IRFW6-10</b><br>SiWay module |         |
|   |   |  <b>IRFW6-12</b><br>Si2Way module |           |   |         |
| Wireless interfaces   |   |   |           |   |         |
|  <b>ADM-I12W1</b><br>12 m wide-angle PIR detector (SiWay)      | <ul style="list-style-type: none"> <li>6 to 18 m adjustable range (12 m default)</li> <li>Up to 25 m continuous curtain range (optional)</li> <li>User selectable pet immunity (15/25 kg)</li> </ul>                  | ■   | ■         | ■   | ■       |
|  <b>IR60W6-10</b><br>12 m wide-angle PIR detector (SiWay)      | <ul style="list-style-type: none"> <li>Sealed sensor chamber with temperature compensation</li> <li>2 sensitivity settings</li> </ul>   | ■   | ■         | ■   | ■       |
|  <b>IR160W6-10</b><br>18 m wide-angle PIR detector (SiWay)     | <ul style="list-style-type: none"> <li>Siemens patented black triplex mirror</li> <li>Look down zone (or 30 m continuous curtain)</li> <li>Optimum white light filtering</li> <li>Temperature compensation</li> </ul> | ■   | ■         | ■   | ■       |
|  <b>IR65W6-10</b><br>360° ceiling PIR detector (SiWay)        | <ul style="list-style-type: none"> <li>20 m diam. or 310 m<sup>2</sup> coverage</li> <li>Housing protection against insects/draughts</li> <li>2 sensitivity settings</li> </ul>                                       | ■   | ■         | ■   | ■       |
|  <b>IMKW6-10</b><br>Door/window contact (SiWay)              | <ul style="list-style-type: none"> <li>Interface for external contacts</li> <li>Slim design</li> <li>Can be used with other systems (water, heating)</li> </ul>   | ■   | ■         | ■   | ■       |
|  <b>IGBW6-10</b><br>Acoustic glass break detector (SiWay)    | <ul style="list-style-type: none"> <li>Operating radius up to 6 m</li> <li>For normal, tempered, laminate, wired and armour-coated glass</li> <li>Outstanding signal analysis (2 settings)</li> </ul>                 | ■   | ■         | ■   | ■       |
|  <b>IOPW6-11</b><br>60 m <sup>2</sup> Smoke detector (SiWay) | <ul style="list-style-type: none"> <li>EN 14604:2005 and VdS-approved</li> <li>Integrated sounder and test button</li> <li>Optical smoke chamber with detection algorithms</li> </ul>                                 | ■   | ■         | ■   | ■       |
|  <b>IWFW6-10</b><br>Flood detector (SiWay)                   | <ul style="list-style-type: none"> <li>Sensor cable with adjustable length up to 2 m</li> <li>Very small and compact</li> <li>Low battery warning signal</li> </ul>   | ■   | ■         | ■   | ■       |
|  <b>IRCW6-11</b><br>Remote control (SiWay)                   | <ul style="list-style-type: none"> <li>Extremely compact and slim design</li> <li>Arm/disarm/part-arm functions</li> <li>Panic button and freely programmable key</li> <li>Exchangeable Lithium battery</li> </ul>    | ■   | ■         | ■   | ■       |
|  <b>IKPW6-10</b><br>LED Keypad (SiWay)                       | <ul style="list-style-type: none"> <li>LED indication (error/program, low battery)</li> <li>Arm/disarm/stay functionality</li> <li>Code arming</li> </ul>   | ■   | ■         | ■   | ■       |
|  <b>ISRW6-12</b><br>Outdoor siren (Si2Way)                   | <ul style="list-style-type: none"> <li>Bi-directional wireless communication</li> <li>User-selectable siren and flash cut-off times</li> <li>Tamper/tear-off protection</li> </ul>                                    | ■   | ■         | ■   | ■       |

\*The IEGW6-12 is compatible with selected Intrunet SI series panel and firmware versions. Please contact your sales representative for more information.

**Intrusion Detectors**  
**Internal Motion Detectors**  
**Wireless Compatibility Overview**



| Intrunet SI series*  |                          |                          |                          | Intrunet SPC series  |                          |                          |   |   |
|--|--------------------------|--------------------------|--------------------------|--|--------------------------|--------------------------|---|---|
| SI1xx  | SI2xx                    | SI3xx                    | SI4xx                    | SPC4000  | SPC5000                  | SPC6000                  |   |   |
|  <b>IEGW6-12</b><br>SiWay/Si2Way E-Bus gateway<br>Max. number of gateways/system: |                          |                          |                          |  <b>SPCW130</b><br>SiWay external X-BUS gateway |                          |                          |  <b>SPCW110</b><br>SiWay internal RF kit |  <b>SPCK422</b><br>LCD keypad with SiWay RF module |
| 1  | 3                        | 3/4                      | 4                        |  |                          |                          |   |   |
| <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/> |   |   |
| <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/> |   |   |
| <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/> |   |   |
| <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/> |   |   |
| <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/> |   |   |
| <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/> |   |   |
| <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/> |   |   |
| <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/> |   |   |
| <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/> |   |   |
| <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/> |   |   |
| <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/> |   |   |
| <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/> |   |   |
| <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/> |   |   |
| <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/> |   |   |
| <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/> |   |   |
| <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/> |   |   |
| <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/> |   |   |
| <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/> |   |   |
| <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/> |   |   |
| <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/> |   |   |
| <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/> |   |   |
| <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/> |   |   |

# Intrunet wireless detectors & peripherals

Expert intrusion detection goes wireless ...



... for maximum installation flexibility.



Intrusion Detectors  
**Internal Motion Detectors**  
**Wireless Detectors and Peripherals**



Type

Order No.

**ADM-I12W1**

**Wireless Fresnel PIR detector, 12 m wide angle**

**S54538-F105-A100**



The ADM-I12W1 is a wireless passive infrared detector with high precision Fresnel optics and a wide range of functionalities as pet immunity and flexible sensitivity adjustments.

|                        |   |
|------------------------|---|
| Identification         | Unique ID serial number - 24 bit              |
| Max. pet weight        | 12 / 30 kg                                    |
| Transmission output    | Alarm, tamper, test, supervision, low battery |
| Battery                | Lithium, 3 VDC, Type: xx123<br>Size: 2/3 AA   |
| Frequency              | 868 MHz                                       |
| Optical system         | Fresnel                                       |
| Wireless module range  | Up to 300 m at open space                     |
| Wireless protocol      | SiWay   |
| Operating temperature  | -10 ~ +50 °C                                  |
| Tamper                 |   |
| Standard / approval    | EN 50131-5-3, EN 50131-2-2 Grade 2            |
| Dimensions (W x H x D) | 62 x 121 x 40 mm                              |
| Weight                 | 0.090 kg                                      |

**IR60W6-10**

**Wireless PIR detector, Fresnel lens, incl. battery**

**A5Q00013959**



The ergonomic and discrete design, which fits to every environment combined with progressive signal evaluation, proves the detector to be ideal for the design sensitive residential sector. The functional mounting plate enables wall, 45° and corner mounting without accessories.

|                               |   |
|-------------------------------|---|
| Area coverage                 | 12 m  |
| Identification                | Unique ID serial number - 24 bit                                |
| Mounting and function test    | Walk test & alarm transmission test by tamper contact or magnet |
| Transmission output           | Alarm, tamper, test, supervision, low battery                   |
| Battery                       | Lithium 3 V Type: xx123<br>Size: 2/3 AA                         |
| Lens                          | Fresnel   |
| Frequency                     | 868 MHz   |
| Wireless module range         | Up to 300 m at open space                                       |
| Communication protocol        | SiWay   |
| Current consumption           | Standby: 8 - 12 µA<br>Max. 15 mA                                |
| Operating temperature         | -10 ~ +50 °C  |
| Storage temperature           | -20 ~ +60 °C  |
| Humidity (EN60721)            | <85% r.h., no condensation                                      |
| Housing protection (EN 60529) | IP41/ IK02  |
| EMI rejection                 | Up to 2 GHz: >10 V/m  |
| Housing material              | ABS - V0  |
| Tamper                        | Backside  |
| Dimensions (W x H x D)        | 57 x 120 x 44 mm  |
| Weight                        | (incl. battery) 0.106 kg  |

# Intrusion Detectors

## Internal Motion Detectors

### Wireless Detectors and Peripherals

Type

Order No.

IR160W6-10

**Wireless PIR detector, black triplex mirror, incl. battery**

A5Q00013963



The IR160W6-10 is a passive infrared detector with black triplex mirror. The versatile housing allows wall and corner installation without accessories. A look down zone for crawl protection and uniform sensitivity in the 'chessboard' zone pattern guarantee a high level of detection reliability. The multi-criteria signal analysis system differentiates intelligently and reliably between intruders and disturbance signals.

|                               |  |
|-------------------------------|--|
| Area coverage                 | 18 m / 30 m  |
| Identification                | Unique ID serial number - 24 bit                                   |
| Max. pet weight               | Not pet immune   |
| Mounting and function test    | Walk test & alarm transmission test by tamper contact or magnet    |
| Transmission output           | Alarm, tamper, test, supervision, low battery (30 days in advance) |
| Battery                       | Lithium 3 V Type: xx123<br>Size: 2/3 AA                            |
| Frequency                     | 868 MHz  |
| Wireless module range         | Up to 300 m at open space  |
| Communication protocol        | SiWay  |
| Current consumption           | Standby: 8 - 12 $\mu$ A<br>Max. 16 mA                              |
| Operating temperature         | -10 ~ +50 °C   |
| Storage temperature           | -20 ~ +60 °C   |
| Humidity (EN60721)            | <85% r.h., no condensation   |
| Housing protection (EN 60529) | IP4 / IK02   |
| EMI rejection                 | Up to 2 GHz: >10 V/m   |
| Housing material              | ABS - V0   |
| Tamper                        | Backside   |
| Standard / approval           | EN 50131-2-2 Grade 2 Class II                                      |
| Dimensions (W x H x D)        | 55 x 136 x 57 mm   |
| Weight                        | (incl. battery) 0.120 kg   |
| Data sheet                    | 009521   |

Intrusion Detectors  
 Internal Motion Detectors  
 Wireless Detectors and Peripherals



Type

Order No.

IR65W6-10

**Wireless ceiling PIR detector, incl. battery**

A5Q00013965



The IR65W6-10 is a wireless passive infrared detector for ceiling mounting. Fast installation, appealing design and 360° detection make this detector ideal detector for monitoring large rooms such as spacious living rooms, small shops, offices or even corridors and warehouses.

|                               |  |
|-------------------------------|--|
| Area coverage                 | 20 m Ø (310 m <sup>2</sup> ) at 3.6 m height               |
| Identification                | Unique ID serial number - 24 bit                           |
| Mounting and function test    | Walk test & alarm transmission test by external magnet     |
| Transmission output           | Alarm, tamper, test, supervision, low battery (in advance) |
| Battery                       | Lithium 3 V Type: xx123<br>Size: 2/3 AA                    |
| Lens                          | Spherical hard lens  |
| Frequency                     | 868 MHz  |
| Wireless module range         | Up to 300 m at open space                                  |
| Communication protocol        | SiWay  |
| Current consumption           | Standby: 12 µA<br>Max. 35 mA                               |
| Operating temperature         | -10 ~ +50 °C   |
| Storage temperature           | -20 ~ +60 °C   |
| Humidity (EN60721)            | <85% r.h., no condensation                                 |
| Housing protection (EN 60529) | IP41/ IK02   |
| EMI rejection                 | >10 V/m (up to 2 GHz)                                      |
| Housing material              | ABS - V0   |
| Dimensions                    | 131 Ø x 57 mm  |
| Weight                        | (incl. battery) 0.175 kg                                   |
| Data sheet                    | A6V10098281  |

# Intrusion Detectors

## Internal Motion Detectors

### Wireless Detectors and Peripherals

| Type  | Order No.  |               |                  |                |                                  |                            |   |                     |   |         |  |           |         |                       |                           |                        |       |                     |                             |                       |              |                     |              |                    |                           |                               |            |               |                      |                  |          |        |          |                        |                 |        |                          |            |        |
|---|--|---------------|------------------|----------------|----------------------------------|----------------------------|---|---------------------|---|---------|--|-----------|---------|-----------------------|---------------------------|------------------------|-------|---------------------|-----------------------------|-----------------------|--------------|---------------------|--------------|--------------------|---------------------------|-------------------------------|------------|---------------|----------------------|------------------|----------|--------|----------|------------------------|-----------------|--------|--------------------------|------------|--------|
| IMKW6-10  | A5Q00013961  |               |                  |                |                                  |                            |   |                     |   |         |  |           |         |                       |                           |                        |       |                     |                             |                       |              |                     |              |                    |                           |                               |            |               |                      |                  |          |        |          |                        |                 |        |                          |            |        |
|  | <p><b>Wireless door/window contact, incl. battery</b></p> <p>The ergonomic and discrete design, which fits to every environment, as well as the additional wired input for external contacts, proves the sensor to be ideal for the design sensitive residential sector. Through the external wired input all sorts of devices can be integrated into the security, e.g. alarm signals from your heating system, fridge temperature control, oil tank lead sensors, gas detector etc.</p> <table border="0"> <tr> <td>Area coverage</td> <td>1 door or window</td> </tr> <tr> <td>Identification</td> <td>Unique ID serial number - 24 bit</td> </tr> <tr> <td>Mounting and function test</td> <td>Alarm transmission test by tamper contact or magnet</td> </tr> <tr> <td>Transmission output</td> <td>Alarm, tamper, test, supervision, low battery</td> </tr> <tr> <td>Battery</td> <td>Lithium 3,6 V Type: XL-050F<br/>Size: 1/2AA</td> </tr> <tr> <td>Frequency</td> <td>868 MHz</td> </tr> <tr> <td>Wireless module range</td> <td>Up to 300 m at open space</td> </tr> <tr> <td>Communication protocol</td> <td>SiWay</td> </tr> <tr> <td>Current consumption</td> <td>Standby: 5 µA<br/>Max. 16 mA</td> </tr> <tr> <td>Operating temperature</td> <td>-10 ~ +50 °C</td> </tr> <tr> <td>Storage temperature</td> <td>-10 ~ +50 °C</td> </tr> <tr> <td>Humidity (EN60721)</td> <td>&lt;85% r.h., non condensing</td> </tr> <tr> <td>Housing protection (EN 60529)</td> <td>IP41/ IK02</td> </tr> <tr> <td>EMI rejection</td> <td>Up to 2 GHz: &gt;10 V/m</td> </tr> <tr> <td>Housing material</td> <td>ABS - V0</td> </tr> <tr> <td>Tamper</td> <td>Backside</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>35 x 87 x 25 mm</td> </tr> <tr> <td>Weight</td> <td>(incl. battery) 0.040 kg</td> </tr> <tr> <td>Data sheet</td> <td>009565</td> </tr> </table> | Area coverage | 1 door or window | Identification | Unique ID serial number - 24 bit | Mounting and function test | Alarm transmission test by tamper contact or magnet | Transmission output | Alarm, tamper, test, supervision, low battery | Battery | Lithium 3,6 V Type: XL-050F<br>Size: 1/2AA | Frequency | 868 MHz | Wireless module range | Up to 300 m at open space | Communication protocol | SiWay | Current consumption | Standby: 5 µA<br>Max. 16 mA | Operating temperature | -10 ~ +50 °C | Storage temperature | -10 ~ +50 °C | Humidity (EN60721) | <85% r.h., non condensing | Housing protection (EN 60529) | IP41/ IK02 | EMI rejection | Up to 2 GHz: >10 V/m | Housing material | ABS - V0 | Tamper | Backside | Dimensions (W x H x D) | 35 x 87 x 25 mm | Weight | (incl. battery) 0.040 kg | Data sheet | 009565 |
| Area coverage   | 1 door or window   |               |                  |                |                                  |                            |   |                     |   |         |  |           |         |                       |                           |                        |       |                     |                             |                       |              |                     |              |                    |                           |                               |            |               |                      |                  |          |        |          |                        |                 |        |                          |            |        |
| Identification  | Unique ID serial number - 24 bit   |               |                  |                |                                  |                            |   |                     |   |         |  |           |         |                       |                           |                        |       |                     |                             |                       |              |                     |              |                    |                           |                               |            |               |                      |                  |          |        |          |                        |                 |        |                          |            |        |
| Mounting and function test  | Alarm transmission test by tamper contact or magnet  |               |                  |                |                                  |                            |   |                     |   |         |  |           |         |                       |                           |                        |       |                     |                             |                       |              |                     |              |                    |                           |                               |            |               |                      |                  |          |        |          |                        |                 |        |                          |            |        |
| Transmission output   | Alarm, tamper, test, supervision, low battery  |               |                  |                |                                  |                            |   |                     |   |         |  |           |         |                       |                           |                        |       |                     |                             |                       |              |                     |              |                    |                           |                               |            |               |                      |                  |          |        |          |                        |                 |        |                          |            |        |
| Battery   | Lithium 3,6 V Type: XL-050F<br>Size: 1/2AA   |               |                  |                |                                  |                            |   |                     |   |         |  |           |         |                       |                           |                        |       |                     |                             |                       |              |                     |              |                    |                           |                               |            |               |                      |                  |          |        |          |                        |                 |        |                          |            |        |
| Frequency   | 868 MHz  |               |                  |                |                                  |                            |   |                     |   |         |  |           |         |                       |                           |                        |       |                     |                             |                       |              |                     |              |                    |                           |                               |            |               |                      |                  |          |        |          |                        |                 |        |                          |            |        |
| Wireless module range   | Up to 300 m at open space  |               |                  |                |                                  |                            |   |                     |   |         |  |           |         |                       |                           |                        |       |                     |                             |                       |              |                     |              |                    |                           |                               |            |               |                      |                  |          |        |          |                        |                 |        |                          |            |        |
| Communication protocol  | SiWay  |               |                  |                |                                  |                            |   |                     |   |         |  |           |         |                       |                           |                        |       |                     |                             |                       |              |                     |              |                    |                           |                               |            |               |                      |                  |          |        |          |                        |                 |        |                          |            |        |
| Current consumption   | Standby: 5 µA<br>Max. 16 mA  |               |                  |                |                                  |                            |   |                     |   |         |  |           |         |                       |                           |                        |       |                     |                             |                       |              |                     |              |                    |                           |                               |            |               |                      |                  |          |        |          |                        |                 |        |                          |            |        |
| Operating temperature   | -10 ~ +50 °C   |               |                  |                |                                  |                            |   |                     |   |         |  |           |         |                       |                           |                        |       |                     |                             |                       |              |                     |              |                    |                           |                               |            |               |                      |                  |          |        |          |                        |                 |        |                          |            |        |
| Storage temperature   | -10 ~ +50 °C   |               |                  |                |                                  |                            |   |                     |   |         |  |           |         |                       |                           |                        |       |                     |                             |                       |              |                     |              |                    |                           |                               |            |               |                      |                  |          |        |          |                        |                 |        |                          |            |        |
| Humidity (EN60721)  | <85% r.h., non condensing  |               |                  |                |                                  |                            |   |                     |   |         |  |           |         |                       |                           |                        |       |                     |                             |                       |              |                     |              |                    |                           |                               |            |               |                      |                  |          |        |          |                        |                 |        |                          |            |        |
| Housing protection (EN 60529)   | IP41/ IK02   |               |                  |                |                                  |                            |   |                     |   |         |  |           |         |                       |                           |                        |       |                     |                             |                       |              |                     |              |                    |                           |                               |            |               |                      |                  |          |        |          |                        |                 |        |                          |            |        |
| EMI rejection   | Up to 2 GHz: >10 V/m   |               |                  |                |                                  |                            |   |                     |   |         |  |           |         |                       |                           |                        |       |                     |                             |                       |              |                     |              |                    |                           |                               |            |               |                      |                  |          |        |          |                        |                 |        |                          |            |        |
| Housing material  | ABS - V0   |               |                  |                |                                  |                            |   |                     |   |         |  |           |         |                       |                           |                        |       |                     |                             |                       |              |                     |              |                    |                           |                               |            |               |                      |                  |          |        |          |                        |                 |        |                          |            |        |
| Tamper  | Backside   |               |                  |                |                                  |                            |   |                     |   |         |  |           |         |                       |                           |                        |       |                     |                             |                       |              |                     |              |                    |                           |                               |            |               |                      |                  |          |        |          |                        |                 |        |                          |            |        |
| Dimensions (W x H x D)  | 35 x 87 x 25 mm  |               |                  |                |                                  |                            |   |                     |   |         |  |           |         |                       |                           |                        |       |                     |                             |                       |              |                     |              |                    |                           |                               |            |               |                      |                  |          |        |          |                        |                 |        |                          |            |        |
| Weight  | (incl. battery) 0.040 kg   |               |                  |                |                                  |                            |   |                     |   |         |  |           |         |                       |                           |                        |       |                     |                             |                       |              |                     |              |                    |                           |                               |            |               |                      |                  |          |        |          |                        |                 |        |                          |            |        |
| Data sheet  | 009565   |               |                  |                |                                  |                            |   |                     |   |         |  |           |         |                       |                           |                        |       |                     |                             |                       |              |                     |              |                    |                           |                               |            |               |                      |                  |          |        |          |                        |                 |        |                          |            |        |

Intrusion Detectors  
**Internal Motion Detectors**  
**Wireless Detectors and Peripherals**



Type

Order No.

IGBW6-10

**Wireless glass break detector, incl. battery**

A5Q00013964




The IGBW6-10 is a highly effective acoustic off-glass wireless glass break detector with a unique signal analysis based on a neuronal network, offering maximum detection reliability and high false alarm immunity. It is ideal for a wide range of applications, including commercial and residential premises. The IGBW6-10 is compatible with tempered, laminate wired and armour-coated window glass.

|                               |   |
|-------------------------------|---|
| Area coverage                 | Standard window glass: 6 m radius<br>Armour coated window glass: 3 m radius |
| Sensitivity                   | 2 levels  |
| Identification                | Unique ID serial number - 24 bit  |
| Mounting and function test    | Alarm transmission test by tamper contact or glass break simulator          |
| Transmission output           | Alarm, tamper, test, supervision, low battery                               |
| Battery                       | Lithium 3 V Type: xx123<br>Size: 2/3 AA                                     |
| Frequency                     | 868 MHz   |
| Wireless module range         | Up to 300 m at open space   |
| Communication protocol        | SiWay   |
| Current consumption           | Standby: 15 µA<br>Max. 35 mA  |
| Operating temperature         | -10 ~ +50 °C  |
| Storage temperature           | -20 ~ +60 °C  |
| Humidity (EN60721)            | <85% r.h., no condensation  |
| Housing protection (EN 60529) | IP41/ IK02  |
| EMI rejection                 | Up to 2 GHz: >10 V/m  |
| Housing material              | ABS - V0  |
| Tamper                        | Backside  |
| Dimensions (W x H x D)        | 110 x 72 x 35 mm  |
| Weight                        | (incl. battery) 0.110 kg  |
| Data sheet                    | A6V10098285   |

# Intrusion Detectors

## Internal Motion Detectors

### Wireless Detectors and Peripherals

| Type  | Order No.  |               |                        |                |                                  |                            |  |                     |          |                      |                                   |             |                                 |                     |  |         |  |           |         |                       |                           |                        |       |                     |   |                       |              |                     |              |                    |                            |                               |      |               |                       |        |          |                     |                              |            |               |        |                                     |            |             |
|---|--|---------------|------------------------|----------------|----------------------------------|----------------------------|--|---------------------|----------|----------------------|-----------------------------------|-------------|---------------------------------|---------------------|--|---------|--|-----------|---------|-----------------------|---------------------------|------------------------|-------|---------------------|---|-----------------------|--------------|---------------------|--------------|--------------------|----------------------------|-------------------------------|------|---------------|-----------------------|--------|----------|---------------------|------------------------------|------------|---------------|--------|-------------------------------------|------------|-------------|
| IOPW6-11  | S54538-F101-A100   |               |                        |                |                                  |                            |  |                     |          |                      |                                   |             |                                 |                     |  |         |  |           |         |                       |                           |                        |       |                     |   |                       |              |                     |              |                    |                            |                               |      |               |                       |        |          |                     |                              |            |               |        |                                     |            |             |
|  | <p><b>Wireless smoke detector, incl. battery, VdS approval</b></p> <p>With its ergonomic and discrete design, which fits to every environment, and progressive signal evaluation, this wireless smoke detector is ideal for the design sensitive residential sector. The detector has an optical smoke chamber based on the "photoelectric scattered light" principle, through which it reliably tracks the development of smoke. The alarm is triggered both optically and acoustically by the device itself (stand-alone mode), and the alarm is wirelessly transmitted to the control panel.</p> <p>Scope of delivery<br/>The associated radio module is supplied with the IOPW6-11. The two units must be assembled together during the installation.</p> <table border="0"> <tr> <td>Area coverage</td> <td>Max. 60 m<sup>2</sup></td> </tr> <tr> <td>Identification</td> <td>Unique ID serial number - 24 bit</td> </tr> <tr> <td>Mounting and function test</td> <td>Alarm transmission test by tamper contact / self test by front test button</td> </tr> <tr> <td>Installation height</td> <td>Max. 3 m</td> </tr> <tr> <td>Operating LED output</td> <td>LED flash once every approx. 50 s</td> </tr> <tr> <td>Sound level</td> <td>Built-in &gt;85 dB at 3 m distance</td> </tr> <tr> <td>Transmission output</td> <td>Alarm, tamper (test), supervision, low battery</td> </tr> <tr> <td>Battery</td> <td>3 x Alkaline 1.5 V Type: LR6<br/>Size: AA</td> </tr> <tr> <td>Frequency</td> <td>868 MHz</td> </tr> <tr> <td>Wireless module range</td> <td>Up to 300 m at open space</td> </tr> <tr> <td>Communication protocol</td> <td>SiWay</td> </tr> <tr> <td>Current consumption</td> <td>Standby: typically ca. 40 µA<br/>Max. 410 mA</td> </tr> <tr> <td>Operating temperature</td> <td>-10 ~ +50 °C</td> </tr> <tr> <td>Storage temperature</td> <td>-20 ~ +60 °C</td> </tr> <tr> <td>Humidity (EN60721)</td> <td>&lt;85% r.h., no condensation</td> </tr> <tr> <td>Housing protection (EN 60529)</td> <td>IP30</td> </tr> <tr> <td>EMI rejection</td> <td>&gt;10 V/m (up to 2 GHz)</td> </tr> <tr> <td>Tamper</td> <td>Backside</td> </tr> <tr> <td>Standard / approval</td> <td>EN 14604:2005 / VdS approval</td> </tr> <tr> <td>Dimensions</td> <td>120 Ø x 44 mm</td> </tr> <tr> <td>Weight</td> <td>(incl. battery and module) 0.240 kg</td> </tr> <tr> <td>Data sheet</td> <td>A6V10098277</td> </tr> </table> | Area coverage | Max. 60 m <sup>2</sup> | Identification | Unique ID serial number - 24 bit | Mounting and function test | Alarm transmission test by tamper contact / self test by front test button | Installation height | Max. 3 m | Operating LED output | LED flash once every approx. 50 s | Sound level | Built-in >85 dB at 3 m distance | Transmission output | Alarm, tamper (test), supervision, low battery | Battery | 3 x Alkaline 1.5 V Type: LR6<br>Size: AA | Frequency | 868 MHz | Wireless module range | Up to 300 m at open space | Communication protocol | SiWay | Current consumption | Standby: typically ca. 40 µA<br>Max. 410 mA | Operating temperature | -10 ~ +50 °C | Storage temperature | -20 ~ +60 °C | Humidity (EN60721) | <85% r.h., no condensation | Housing protection (EN 60529) | IP30 | EMI rejection | >10 V/m (up to 2 GHz) | Tamper | Backside | Standard / approval | EN 14604:2005 / VdS approval | Dimensions | 120 Ø x 44 mm | Weight | (incl. battery and module) 0.240 kg | Data sheet | A6V10098277 |
| Area coverage   | Max. 60 m <sup>2</sup>   |               |                        |                |                                  |                            |  |                     |          |                      |                                   |             |                                 |                     |  |         |  |           |         |                       |                           |                        |       |                     |   |                       |              |                     |              |                    |                            |                               |      |               |                       |        |          |                     |                              |            |               |        |                                     |            |             |
| Identification  | Unique ID serial number - 24 bit   |               |                        |                |                                  |                            |  |                     |          |                      |                                   |             |                                 |                     |  |         |  |           |         |                       |                           |                        |       |                     |   |                       |              |                     |              |                    |                            |                               |      |               |                       |        |          |                     |                              |            |               |        |                                     |            |             |
| Mounting and function test  | Alarm transmission test by tamper contact / self test by front test button   |               |                        |                |                                  |                            |  |                     |          |                      |                                   |             |                                 |                     |  |         |  |           |         |                       |                           |                        |       |                     |   |                       |              |                     |              |                    |                            |                               |      |               |                       |        |          |                     |                              |            |               |        |                                     |            |             |
| Installation height   | Max. 3 m   |               |                        |                |                                  |                            |  |                     |          |                      |                                   |             |                                 |                     |  |         |  |           |         |                       |                           |                        |       |                     |   |                       |              |                     |              |                    |                            |                               |      |               |                       |        |          |                     |                              |            |               |        |                                     |            |             |
| Operating LED output  | LED flash once every approx. 50 s  |               |                        |                |                                  |                            |  |                     |          |                      |                                   |             |                                 |                     |  |         |  |           |         |                       |                           |                        |       |                     |   |                       |              |                     |              |                    |                            |                               |      |               |                       |        |          |                     |                              |            |               |        |                                     |            |             |
| Sound level   | Built-in >85 dB at 3 m distance  |               |                        |                |                                  |                            |  |                     |          |                      |                                   |             |                                 |                     |  |         |  |           |         |                       |                           |                        |       |                     |   |                       |              |                     |              |                    |                            |                               |      |               |                       |        |          |                     |                              |            |               |        |                                     |            |             |
| Transmission output   | Alarm, tamper (test), supervision, low battery   |               |                        |                |                                  |                            |  |                     |          |                      |                                   |             |                                 |                     |  |         |  |           |         |                       |                           |                        |       |                     |   |                       |              |                     |              |                    |                            |                               |      |               |                       |        |          |                     |                              |            |               |        |                                     |            |             |
| Battery   | 3 x Alkaline 1.5 V Type: LR6<br>Size: AA   |               |                        |                |                                  |                            |  |                     |          |                      |                                   |             |                                 |                     |  |         |  |           |         |                       |                           |                        |       |                     |   |                       |              |                     |              |                    |                            |                               |      |               |                       |        |          |                     |                              |            |               |        |                                     |            |             |
| Frequency   | 868 MHz  |               |                        |                |                                  |                            |  |                     |          |                      |                                   |             |                                 |                     |  |         |  |           |         |                       |                           |                        |       |                     |   |                       |              |                     |              |                    |                            |                               |      |               |                       |        |          |                     |                              |            |               |        |                                     |            |             |
| Wireless module range   | Up to 300 m at open space  |               |                        |                |                                  |                            |  |                     |          |                      |                                   |             |                                 |                     |  |         |  |           |         |                       |                           |                        |       |                     |   |                       |              |                     |              |                    |                            |                               |      |               |                       |        |          |                     |                              |            |               |        |                                     |            |             |
| Communication protocol  | SiWay  |               |                        |                |                                  |                            |  |                     |          |                      |                                   |             |                                 |                     |  |         |  |           |         |                       |                           |                        |       |                     |   |                       |              |                     |              |                    |                            |                               |      |               |                       |        |          |                     |                              |            |               |        |                                     |            |             |
| Current consumption   | Standby: typically ca. 40 µA<br>Max. 410 mA  |               |                        |                |                                  |                            |  |                     |          |                      |                                   |             |                                 |                     |  |         |  |           |         |                       |                           |                        |       |                     |   |                       |              |                     |              |                    |                            |                               |      |               |                       |        |          |                     |                              |            |               |        |                                     |            |             |
| Operating temperature   | -10 ~ +50 °C   |               |                        |                |                                  |                            |  |                     |          |                      |                                   |             |                                 |                     |  |         |  |           |         |                       |                           |                        |       |                     |   |                       |              |                     |              |                    |                            |                               |      |               |                       |        |          |                     |                              |            |               |        |                                     |            |             |
| Storage temperature   | -20 ~ +60 °C   |               |                        |                |                                  |                            |  |                     |          |                      |                                   |             |                                 |                     |  |         |  |           |         |                       |                           |                        |       |                     |   |                       |              |                     |              |                    |                            |                               |      |               |                       |        |          |                     |                              |            |               |        |                                     |            |             |
| Humidity (EN60721)  | <85% r.h., no condensation   |               |                        |                |                                  |                            |  |                     |          |                      |                                   |             |                                 |                     |  |         |  |           |         |                       |                           |                        |       |                     |   |                       |              |                     |              |                    |                            |                               |      |               |                       |        |          |                     |                              |            |               |        |                                     |            |             |
| Housing protection (EN 60529)   | IP30   |               |                        |                |                                  |                            |  |                     |          |                      |                                   |             |                                 |                     |  |         |  |           |         |                       |                           |                        |       |                     |   |                       |              |                     |              |                    |                            |                               |      |               |                       |        |          |                     |                              |            |               |        |                                     |            |             |
| EMI rejection   | >10 V/m (up to 2 GHz)  |               |                        |                |                                  |                            |  |                     |          |                      |                                   |             |                                 |                     |  |         |  |           |         |                       |                           |                        |       |                     |   |                       |              |                     |              |                    |                            |                               |      |               |                       |        |          |                     |                              |            |               |        |                                     |            |             |
| Tamper  | Backside   |               |                        |                |                                  |                            |  |                     |          |                      |                                   |             |                                 |                     |  |         |  |           |         |                       |                           |                        |       |                     |   |                       |              |                     |              |                    |                            |                               |      |               |                       |        |          |                     |                              |            |               |        |                                     |            |             |
| Standard / approval   | EN 14604:2005 / VdS approval   |               |                        |                |                                  |                            |  |                     |          |                      |                                   |             |                                 |                     |  |         |  |           |         |                       |                           |                        |       |                     |   |                       |              |                     |              |                    |                            |                               |      |               |                       |        |          |                     |                              |            |               |        |                                     |            |             |
| Dimensions  | 120 Ø x 44 mm  |               |                        |                |                                  |                            |  |                     |          |                      |                                   |             |                                 |                     |  |         |  |           |         |                       |                           |                        |       |                     |   |                       |              |                     |              |                    |                            |                               |      |               |                       |        |          |                     |                              |            |               |        |                                     |            |             |
| Weight  | (incl. battery and module) 0.240 kg  |               |                        |                |                                  |                            |  |                     |          |                      |                                   |             |                                 |                     |  |         |  |           |         |                       |                           |                        |       |                     |   |                       |              |                     |              |                    |                            |                               |      |               |                       |        |          |                     |                              |            |               |        |                                     |            |             |
| Data sheet  | A6V10098277  |               |                        |                |                                  |                            |  |                     |          |                      |                                   |             |                                 |                     |  |         |  |           |         |                       |                           |                        |       |                     |   |                       |              |                     |              |                    |                            |                               |      |               |                       |        |          |                     |                              |            |               |        |                                     |            |             |

# Intrusion Detectors

## Internal Motion Detectors

### Wireless Detectors and Peripherals



**Type**

**Order No.**

**IWW6-10**

**Wireless flood detector, incl. battery**

**A5Q00020287**



The flood detector detects liquids (with electric conductivity) and enables the alarm system to detect water leaking (e.g. from the heating system, in the cellar, bathroom).

|                               |  |
|-------------------------------|--|
| Area coverage                 | Sensor cable IP65 - max. 2 m               |
| Identification                | Unique ID serial number - 24 bit           |
| Mounting and function test    | Short the contact on sensor cable          |
| Transmission output           | Alarm, supervision, low battery            |
| Battery                       | Lithium 3,6 V Type: XL-050F<br>Size: 1/2AA |
| Frequency                     | 868 MHz                                    |
| Wireless module range         | Up to 300 m in open space                  |
| Communication protocol        | SiWay                                      |
| Current consumption           | Standby: 8 µA<br>Max. 26 mA                |
| Operating temperature         | -10 ~ +50 °C                               |
| Storage temperature           | -20 ~ +60 °C                               |
| Humidity (EN60721)            | <85% r.h., no condensation                 |
| Housing protection (EN 60529) | IP41/ IK02                                 |
| EMI rejection                 | Up to 2 GHz: >10 V/m                       |
| Dimensions (W x H x D)        | 27 x 124 x 28 mm                           |
| Weight                        | (incl. battery) 0.10 kg                    |
| Data sheet                    | A6V10098273                                |

**IRCW6-11**

**Multifunctional remote control**

**S54543-F109-A100**



The Intrunet wireless multifunctional remote control in stylish white color is smaller than a credit card and only a few millimeters thick. Besides common functions such as set, unset and part set, the remote control includes a programmable key for user-defined functions as well as an emergency function (panic alarm). Furthermore, batteries can easily be exchanged for maximum product life duration.

|                               |  |
|-------------------------------|--|
| Power supply                  | Rechargeable battery                           |
| Current consumption           | Standby: <1 mA<br>Max.: 28 mA                  |
| Battery                       | Lithium 3 V Type: CR2032                       |
| Frequency                     | 868 MHz  |
| Range                         | 100 m at open space                            |
| Communication protocol        | SiWay  |
| Events                        | Set, unset, part set, optional: panic, control |
| Humidity (EN60721)            | <85% r.h., no condensation                     |
| Housing protection (EN 60529) | IP41 / IK02                                    |
| Operating temperature         | -10 ~ +50 °C                                   |
| Dimensions (W x H x D)        | 30 x 57 x 13 mm                                |
| Weight                        | 0.01 kg  |
| Data sheet                    | 009093   |

# Intrusion Detectors

## Internal Motion Detectors

### Wireless Detectors and Peripherals

| Type  | Order No.  |
|---|--|
| <p><b>IKPW6-10</b></p>   | <p><b>S54543-F107-A103</b></p>                                     |
| <p><b>Wireless LED keypad</b></p>   |  |
| <p>The IKPW6-10 is a wireless keypad for SiWay enabled panels. It enables the same functionality as a remote control for easy system setting/unsetting, and also supports user codes for uncompromised security. Besides, home automation functions can be controlled from anywhere in the premises, thanks to the keypad dedicated commands and the panel's programmable outputs. Panic alarms are also supported.</p> |  |
| <p>Current consumption</p>  | <p>Standby: approx. 11 µA<br/>Transmission: approx. 16 mA</p>      |
| <p>Battery</p>  | <p>Lithium battery 3.6 V Type: XL-050F<br/>Size: 1/2 AA</p>        |
| <p>Frequency</p>  | <p>868 MHz</p>   |
| <p>Wireless module range</p>  | <p>Up to 300 m at open space</p>                                   |
| <p>Communication protocol</p>   | <p>SiWay</p>   |
| <p>Humidity (EN60721)</p>   | <p>&lt;85% r.h., no condensation</p>                               |
| <p>Events</p>   | <p>Set, unset, part set, optional: panic, control, low battery</p> |
| <p>Identification</p>   | <p>Unique ID serial number - 24 bit</p>                            |
| <p>Housing protection</p>   | <p>IP41</p>  |
| <p>Housing material</p>   | <p>ABS VO</p>  |
| <p>Operating temperature</p>  | <p>-10 ~ +50 °C</p>  |
| <p>EMI rejection</p>  | <p>Up to 2 GMz: &gt;10 V/m</p>                                     |
| <p>Dimensions (W x H x D)</p>   | <p>75 x 133 x 30 mm</p>  |
| <p>Weight</p>   | <p>(incl. battery) ca. 0.020 kg</p>                                |
| <p><b>GT2</b></p>    | <p><b>BPZ:5074190001</b></p>                                       |
| <p><b>Test unit for AGB600 and IGBW6</b></p>  |  |
| <p>After a location has been selected, the GT2 test unit can be used to check the AGB600 and the IGBW6-10 detector for correct acoustic coupling to the glass surfaces to be protected, prior to permanent installation.</p>  |  |
| <p>Weight</p>   | <p>0.251 kg</p>  |



Intrusion Detectors  
 Internal Motion Detectors  
 Wireless Detectors and Peripherals



Type

Order No.

ISRW6-12..

**Wireless outdoor siren (compatible with IC60 and SI series)**

The Intrunet outdoor siren communicates wirelessly thanks to an extension of the SiWay protocol named Si2Way. This communication protocol allows Si2Way components not only to send information to the control panel, but also to receive commands from the panel. The ISRW6-12.. comes with an embedded Si2Way radio module and powerful standard batteries ensuring a long maintenance cycles. The activation of the siren can be either time limited or disabled if required by the application. In addition to the powerful acoustic signal (100 dB at 1 m), an integrated light strobe flashes up siren activation.

|                               |                                 |
|-------------------------------|---------------------------------|
| Wireless protocol             | Si2Way                          |
| Frequency                     | 868 MHz                         |
| Wireless module range         | Up to 300 m at open space       |
| Sound level                   | Siren: 100 dB @ 1.00 m          |
| Battery lifetime              | 3 years under normal conditions |
| Battery                       | ER34615M 3.6V, 14 Ah, D size    |
| Housing protection (EN 60529) | IP54                            |
| Humidity (EN60721)            | <95% r.h., no condensation      |
| Operating temperature         | -20 ~ +70 °C                    |
| Storage temperature           | -20 ~ +80 °C                    |

ISRW6-12..

ISRW6-12R

**Wireless outdoor siren**

See ISRW6-12.. for technical overview and note the additional / other specifications:

|        |     |
|--------|-----|
| Colour | Red |
|--------|-----|



S54538-F103-A200

ISRW6-12T

**Wireless outdoor siren in orange**


See ISRW6-12.. for technical overview and note the additional / other specifications:

|        |        |
|--------|--------|
| Colour | Orange |
|--------|--------|



S54538-F103-A300

Intrusion Detectors  
**Internal Motion Detectors**  
**Wireless Detectors and Peripherals**

| Type   | Order No.  |
|--|--|
| <p><b>ISRW6-12B</b></p>  <p><b>Wireless outdoor siren in blue</b></p> <p>See ISRW6-12.. for technical overview and note the additional / other specifications:</p> <p>Colour</p> <p>Blue</p> | <p><b>S54538-F103-A100</b></p> |



Am I safe walking home?

Is this building secure?

With intelligent security products and systems, we protect people and assets everywhere.

As a basic human need, safety and security for people are a priority throughout all aspects of daily life, whether at home, travelling, or at work. For businesses this extends to securing assets and preventing business disruption. We help our customers achieve their desired level of security, from transportation networks to energy supplies, buildings and property in general, by providing them with intelligent products and systems – protecting people, processes and assets no matter where they are. [www.siemens.com/buildingtechnologies](http://www.siemens.com/buildingtechnologies)

Answers for infrastructure.

**SIEMENS**

## Intrusion Detectors

### Internal Motion Detectors

### Accessories Overview

|                 |                                  |                | Internal motion detectors |        |        |         |        |         |          |           |
|-----------------|----------------------------------|----------------|---------------------------|--------|--------|---------|--------|---------|----------|-----------|
|                 |                                  |                | IR80B                     | IR100B | IR120C | IR120MD | IR120S | IR120UL | IR120LSN | IR200 LSN |
| Type            | Description                      | Order no.      |                           |        |        |         |        |         |          |           |
| IRUM1           | General purpose mounting bracket | BPZ:4573100001 |                           |        |        |         |        |         |          | ■         |
| IRUM2           | Wall mounting bracket            | BPZ:5198760001 | ■                         |        |        |         |        |         |          | ■         |
| IRUM3           | Ceiling mounting bracket         | BPZ:5198890001 | ■                         |        |        |         |        |         |          | ■         |
| IRUM20          | Wall mounting bracket            | BPZ:5622470001 |                           | ■      | ■      | ■       | ■      | ■       | ■        | ■         |
| IRUM30          | Ceiling mounting bracket         | BPZ:5622500001 |                           | ■      | ■      | ■       | ■      | ■       | ■        |           |
| IRS112          | Curtain mirror set IR100 (4 pcs) | BPZ:5622920001 |                           | ■      |        |         |        |         |          |           |
| IRS122          | Curtain mirror set IR120 (4 pcs) | BPZ:5623020001 |                           |        | ■      | ■       | ■      | ■       | ■        |           |
| IRS162          | Curtain mirror set IR200 (4 pcs) | BPZ:4893750001 |                           |        |        |         |        |         |          | ■         |
| IRS164          | Pet alley mirror set for IR200   | BPZ:5032060001 |                           |        |        |         |        |         |          | ■         |
| IRS272          | Curtain mirror set IR270 (4 pcs) | BPZ:5717330001 |                           |        |        |         |        |         |          |           |
| IRMC1           | Short range masking clip         | BPZ:5209170001 |                           |        |        |         |        |         |          | ■         |
| IRMC104         | Optoclipset IR100/120 (4 pcs)    | BPZ:5623150001 |                           | ■      | ■      | ■       | ■      | ■       | ■        |           |
| IRAK3           | Back tamper contact              | BPZ:4648530001 |                           |        |        |         |        |         |          | ■         |
| IRMF20          | Masking foil to IR200 (10 pcs)   | BPZ:5209200001 |                           |        |        |         |        |         |          | ■         |
| LITHIUM-BATT.AA | Lithium batteries AA 3.6V/1,9AH  | BPZ:5205350001 |                           |        |        |         |        |         |          |           |

# Intrusion Detectors Internal Motion Detectors Accessories Overview








| Internal motion detectors |           |         |       |        |         |        |         |             |        |         |         |        |         |         |       |         |          |         |           |           |          |         |          |            |            |         |        |         |        |            |         |   |  |
|---------------------------|-----------|---------|-------|--------|---------|--------|---------|-------------|--------|---------|---------|--------|---------|---------|-------|---------|----------|---------|-----------|-----------|----------|---------|----------|------------|------------|---------|--------|---------|--------|------------|---------|---|--|
| IR200CD                   | IR200C-II | IR200ME | IR261 | IR270C | IR270MD | IR270T | IR270CT | IR270T LSNi | IR310C | IR310CD | IR310MD | IR312C | IR312CD | IR312MD | IRM80 | IRM120C | IRM120MD | IRM270C | IRM270CFR | IRM270CUK | IRM270MD | IRM270T | IRM270CT | IRM270CTFR | IRM270CTUK | RAIR270 | UP370C | UP370MD | UP370T | UP370T LSN | IRO840T |   |  |
| ■                         | ■         | ■       |       |        |         |        |         |             |        |         |         |        |         |         |       |         |          |         |           |           |          |         |          |            |            |         |        |         |        |            |         |   |  |
| ■                         | ■         | ■       |       |        |         |        |         |             |        |         |         |        |         |         | ■     |         |          |         |           |           |          |         |          |            |            |         | ■      | ■       | ■      | ■          | ■       |   |  |
| ■                         | ■         | ■       |       |        |         |        |         |             |        |         |         |        |         |         | ■     |         |          |         |           |           |          |         |          |            |            |         | ■      | ■       | ■      | ■          | ■       |   |  |
|                           |           |         |       | ■      | ■       | ■      | ■       | ■           |        |         |         |        |         |         |       | ■       | ■        | ■       | ■         | ■         | ■        | ■       | ■        | ■          | ■          |         |        |         |        |            | ■       |   |  |
|                           |           |         |       | ■      | ■       | ■      | ■       | ■           |        |         |         |        |         |         |       | ■       | ■        |         |           |           |          |         |          |            |            |         |        |         |        |            |         | ■ |  |
|                           |           |         |       |        |         |        |         |             |        |         |         |        |         |         |       | ■       | ■        |         |           |           |          |         |          |            |            |         |        |         |        |            |         |   |  |
| ■                         | ■         | ■       |       |        |         |        |         |             |        |         |         |        |         |         |       |         |          |         |           |           |          |         |          |            |            |         |        |         |        |            |         |   |  |
| ■                         | ■         | ■       |       |        |         |        |         |             |        |         |         |        |         |         |       |         |          |         |           |           |          |         |          |            |            |         |        |         |        |            |         |   |  |
| ■                         | ■         | ■       |       |        |         |        |         |             |        |         |         |        |         |         |       |         |          |         |           |           |          |         |          |            |            |         |        |         |        |            |         |   |  |
| ■                         | ■         | ■       |       |        |         |        |         |             |        |         |         |        |         |         |       |         |          |         |           |           |          |         |          |            |            |         |        |         |        |            |         |   |  |
| ■                         | ■         | ■       |       |        |         |        |         |             | ■      | ■       | ■       | ■      | ■       | ■       |       |         |          |         |           |           |          |         |          |            |            |         |        |         |        |            |         |   |  |
| ■                         | ■         | ■       |       |        |         |        |         |             |        |         |         |        |         |         |       |         |          |         |           |           |          |         |          |            |            |         |        |         |        |            |         |   |  |
|                           |           |         |       |        |         |        |         |             |        |         |         |        |         |         |       |         |          |         |           |           |          |         |          |            |            |         | ■      |         | ■      | ■          | ■       | ■ |  |

## Intrusion Detectors



### Internal Motion Detectors

### Accessories

| Type   | Order No.      |
|--|----------------|
| <p><b>IRUM1</b></p>  <p><b>General-purpose mounting bracket for IR200</b></p> <p>Special mounting bracket for all wall and ceiling mounting applications with a wide-angle alignment range.</p> <p>Angle range adjustment      +10 ~ -15° (vertical)<br/>   +90 ~ -90° (horizontal)</p> <p>Weight                                      0.120 kg</p>   | BPZ:4573100001 |
| <p><b>IRUM2</b></p>  <p><b>Wall mount bracket</b></p> <p>Suitable for IR80, IRM80, IR200 and UP370. With the IRUM2 the detectors can be swivelled into special positions for wall mounting applications.</p> <p>Angle range adjustment      +10 ~ -15° (vertical)<br/>   +45 ~ -45° (horizontal)</p> <p>Weight                                      0.100 kg</p>                              | BPZ:5198760001 |
| <p><b>IRUM3</b></p>  <p><b>Ceiling mount bracket</b></p> <p>Suitable for IR80, IRM80, IR200 and UP370. With the IRUM3 the detectors can be swivelled into special positions for ceiling mounting applications.</p> <p>Angle range adjustment      +10 ~ -15° (vertical)<br/>   +45 ~ -45° (horizontal)</p> <p>Weight                                      0.160 kg</p>                      | BPZ:5198890001 |
| <p><b>IRUM20</b></p>  <p><b>Wall mount bracket</b></p> <p>Suitable for IR100, IR120, IRM120, IR270, IRM270 and IR160W6. With the IRUM20 the detectors can be swivelled into special positions for wall mounting applications.</p> <p>Angle range adjustment      +10 ~ -15° (vertical)<br/>   +45 ~ -45° (horizontal)</p> <p>Weight                                      0.044 kg</p>       | BPZ:5622470001 |
| <p><b>IRUM30</b></p>  <p><b>Ceiling mount bracket</b></p> <p>Suitable for IR100, IR120, IRM120, IR270, IRM270 and IR160W6. With the IRUM30 the detectors can be swivelled into special positions for ceiling mounting applications.</p> <p>Angle range adjustment      +10 ~ -15° (vertical)<br/>   +45 ~ -45° (horizontal)</p> <p>Weight                                      0.072 kg</p> | BPZ:5622500001 |

Intrusion Detectors  
Internal Motion Detectors  
Accessories







| Type   | Order No.                    |
|--|------------------------------|
| <p><b>IRS112</b></p> <p><b>Curtain mirror set for IR100, 20 m (4 pcs)</b></p> <p>The IRS112 curtain mirror has overlapping coverage zones to form a complete monitored area to detect persons passing through.</p>  <p>Delivery unit 4 pieces per package<br/>Weight 0.050 kg</p>   | <p><b>BPZ:5622920001</b></p> |
| <p><b>IRS122</b></p> <p><b>Curtain mirror set</b></p> <p>The IRS122 black curtain mirror has overlapping coverage zones to form a complete monitored area to detect persons passing through.<br/>12 m curtain for IRM120<br/>20 m curtain for IR120</p>  <p>Delivery unit 4 pieces per package<br/>Weight 0.050 kg</p>                          | <p><b>BPZ:5623020001</b></p> |
| <p><b>IRS162</b></p> <p><b>Curtain mirror set for IR200, 25 m curtain</b></p> <p>The IRS162 black curtain mirror has overlapping coverage zones to form a complete monitored area to detect persons passing through.</p>  <p>Delivery unit 4 pieces per package<br/>Weight 0.055 kg</p>   | <p><b>BPZ:4893750001</b></p> |
| <p><b>IRS272</b></p> <p><b>Curtain mirror set</b></p> <p>The IRS272 black curtain mirror has overlapping coverage zones forming a complete monitored area to detect persons passing through.<br/>15 m curtain for the IRO840T. 25 m curtain for IR270, IRM270 and IR160W6.</p>  <p>Delivery unit 4 pieces per package<br/>Weight 0.055 kg</p> | <p><b>BPZ:5717330001</b></p> |

## Intrusion Detectors

### Internal Motion Detectors

### Accessories

| Type  | Order No.             |
|---|-----------------------|
| <b>IRS164</b><br>  | <b>BPZ:5032060001</b> |
| <p><b>Pet alley mirror set for IR200, 10 m wide angle</b></p> <p>The IRS164 pet alley mirror is mounted at ca 1 m height leaving a detection alley for animals underneath.</p> <p>Delivery unit 4 pieces per package<br/>           Weight 0.040 kg</p> |                       |
| <b>IRMC104</b><br>   | <b>BPZ:5623150001</b> |
| <p><b>Pet clip</b></p> <p>Mirror clip for outstanding pet immunity.</p> <p>Delivery unit 4 pieces per package<br/>           Max. pet weight IR120: 40 kg<br/>           IRM120: 20 kg<br/>           IR100: 20 kg<br/>           Weight 0.005 kg</p>   |                       |
| <b>IRMF20</b><br>  | <b>BPZ:5209200001</b> |
| <p><b>Masking foil</b></p> <p>Suitable for IR200 and UP370. With the IRMF20 you can mask individual mirror segments for special applications.</p> <p>Delivery unit 10 pieces per package<br/>           Weight 0.075 kg</p>                             |                       |
| <b>IRAK3</b><br>   | <b>BPZ:4648530001</b> |
| <p><b>Back tamper contact</b></p> <p>Suitable for IR200 and IR310/312. The IRAK3 can be fitted in the base of the detector for additional surveillance against vandalism.</p> <p>Weight 0.007 kg</p>  |                       |



# E-Line Detectors and Accessories



## Intrunet E-Line detectors – for best in class installation time

Ideal for a wide range of standard applications and environments, the range of Intrunet™ E-Line motion detectors was designed with the installer in mind: all detectors offer the same popular features found in other Intrunet detectors, such as the “snap-in cover”, but they also deliver new levels of installation flexibility and speed thanks to the End of Line\* (EOL) concept, unique on the market, which enables a quick and easy cabling of the detectors.

With the E-Line detectors, Siemens builds on its long expertise in intrusion detection and quality manufacturing to deliver the best in Fresnel detection technology coupled with trouble-free installation and maintenance.

Meet the world’s fastest detectors to install.

- Optimal cost/performance for a wide range of applications
- Plug-in EOL boards with preset resistor values reduce installation time by over 50%
- Simpler wiring thanks to “clip on/off” terminal block
- Highest flexibility in detection range (6-18 m) and sensitivity settings
- The first complete detector family to meet EN 50131-2-2/EN 50131-2-4:2008 with independent certification

\* Patent pending

# Intrusion Detectors

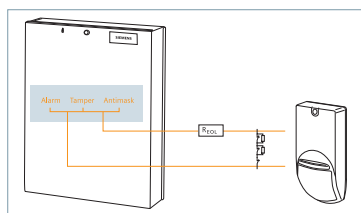
## E-Line Detectors and Accessories

### Product Overview

|                                    | ADM-Q12   | ADM-Q12T  | ADM-QX.12   | ADM-QKA12  | ADM-QX.12T  | ADM-QKA12T  |
|------------------------------------|---|---|---|--|---|---|
| <b>E-Line detectors</b>            |  |  |  |  |  |  |
| Volume range                       | 12 m  | 12 m  | 12 m  | 12 m   | 12 m  | 12 m  |
| Curtain range                      | 20 m  |   | 20 m  | 20 m   |   |   |
| Available grades                   | Grade 2   | Grade 3   | Grade 2   | Grade 2  | Grade 3   | Grade 3   |
| Detection technology <sup>1)</sup> | PIR   | PIR   | PIR/MW (X-Band)   | PIR/MW (K-Band)  | PIR/MW (X-Band)   | PIR/MW (K-Band)   |
| Optics                             | Fresnel lens  | Fresnel lens  | Fresnel lens  | Fresnel lens   | Fresnel lens  | Fresnel lens  |
| Application segments               | Residential/<br>Commercial  | Residential/<br>Commercial  | Residential/<br>Commercial  | Residential/<br>Commercial   | Residential/<br>Commercial  | Residential/<br>Commercial  |
| Pet immunity                       | 12 kg (30 kg)   | 12 kg (30 kg)   | 12 kg (30 kg)   | 12 kg (30 kg)  | 12 kg (30 kg)   | 12 kg (30 kg)   |

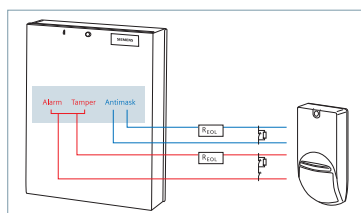
<sup>1)</sup> PIR: Passive Infrared; MW: Microwave

## E-Line detectors – new standards in installation time

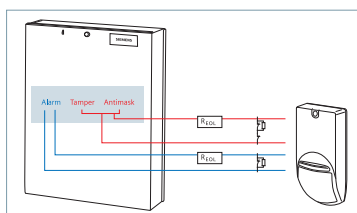


2-wire configuration

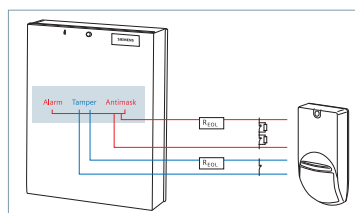
With E-Line detectors, installers have the unique flexibility to use – or not – patented End of Line boards (EOL) with pre-set resistor values and wiring preferences (2-, 4- or 6-wires). Whilst traditional detectors require all resistor values and Alarm/Tamper/Antimask wiring configurations to be set manually and individually, E-Line detectors just require the appropriate EOL board to be plugged onto the PCB. That's it.



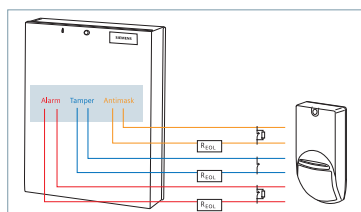
4-wire configuration



4-wire configuration



4-wire configuration



6-wire configuration

# Intrusion Detectors

## E-Line Detectors and Accessories

### E-Line Detectors



Type

Order No.

ADM-Q12

**Fresnel PIR detector, 12 m wide angle**

S54530-F102-A100



The E-Line PIR detectors deliver the fastest installation time on the market thanks to their innovative End of Line concept. High precision Fresnel optics and progressive signal analysis are combined to deliver best-in-class detection reliability and quality. Ideal for residential and commercial applications, they offer the highest false alarm immunity thanks to wide ranging functionality, including flexible sensitivity adjustments, white light and temperature compensation, and pet immunity for all round performance and installation versatility.

|                             |  |
|-----------------------------|--|
| Supply voltage              | 9 ~ 16 VDC (12 V nom.)                                   |
| Current consumption         | 20 mA  |
| Alarm relay output (NO/NC)  | 30 VDC / 80 mA / Ri 18 Ohm NC                            |
| Tamper relay output (NO/NC) | 30 VDC / 80 mA / Ri 10 Ohm NC                            |
| Walking speed               | 0.10 to 4.00 m/s   |
| Optical system              | Fresnel  |
| Control input               | Low <= 1.5 V / high >= 3.5 V                             |
| Sensitivity adjustment      | PIR: jumper, potentiometer                               |
| End of Line board provided  | No (see accessories or ask for already pre-fitted types) |
| Pet immunity                | 12 / 30 kg   |
| Operating temperature       | -10 ~ +50 °C   |
| Standard / approval         | EN 50131-2-2 Grade 2                                     |
| Dimensions (W x H x D)      | 62 x 121 x 40 mm   |
| Weight                      | 0.090 kg   |

ADM-Q12T

**Fresnel PIR detector with real-time antimask surveillance, 12 m wide angle**

S54530-F103-A100




The E-Line PIR detectors deliver the fastest installation time on the market thanks to their innovative End of Line concept. High precision Fresnel optics and progressive signal analysis are combined to deliver best-in-class detection reliability and quality. Ideal for residential and commercial applications. The E-Line dual antimask detector offers a wide range of functionalities as pet immunity, flexible sensitivity adjustments for PIR and MW, antimask, creep zone and unique End of Line concept in exchangeable family design.

|                               |   |
|-------------------------------|---|
| Supply voltage                | 9 ~ 16 VDC (12 V nom.)                                      |
| Current consumption           |   |
| Alarm relay output (NO/NC)    | 30 VDC / 80 mA / Ri 18 Ohm NC                               |
| Tamper relay output (NO/NC)   | 30 VDC / 80 mA / Ri 10 Ohm NC                               |
| Antimask relay output (NO/NC) | 30 VDC / 80 mA / Ri 18 Ohm NC                               |
| Walking speed                 | 0.10 to 4.00 m/s  |
| Optical system                | Fresnel   |
| Control input                 | Low <= 1.5 V / high >= 3.5 V                                |
| Sensitivity adjustment        | PIR: DIP switch, potentiometer                              |
| End of Line board provided    | No (see accessories or ask for already pre-fitted types)    |
| Pet immunity                  | 12 / 30 kg  |
| Creep zone protection         | Yes   |
| Operating temperature         | -10 ~ +50 °C  |
| Standard / approval           | EN 50131-2-2 Grade 3  |
| Dimensions (W x H x D)        | No (see accessories or ask for already pre-fitted types) mm |
| Weight                        | 0.105 kg  |

# Intrusion Detectors

## E-Line Detectors and Accessories

### E-Line Detectors

| Type                        |  | Order No.      |                        |                     |       |                            |                               |                             |                               |               |                  |                |         |               |                              |                        |   |                            |  |              |            |                       |              |                     |                      |                        |                  |        |          |             |
|-----------------------------|--|----------------|------------------------|---------------------|-------|----------------------------|-------------------------------|-----------------------------|-------------------------------|---------------|------------------|----------------|---------|---------------|------------------------------|------------------------|---|----------------------------|--|--------------|------------|-----------------------|--------------|---------------------|----------------------|------------------------|------------------|--------|----------|-------------|
| ADM-Qxx12..                 | <p><b>Fresnel PIR/MW motion detector, 12 m wide angle</b></p> <p>The E-Line PIR detectors deliver the fastest installation time on the market thanks to their innovative End of Line concept. High precision Fresnel optics and progressive signal analysis are combined to deliver best-in class detection reliability and quality. Ideal for residential and commercial applications, they offer the highest false alarm immunity thanks to wide ranging functionality, including flexible sensitivity adjustments, white light and temperature compensation, and pet immunity for all round performance and installation versatility.</p>  <table> <tr> <td>Supply voltage</td> <td>9 ~ 16 VDC (12 V nom.)</td> </tr> <tr> <td>Current consumption</td> <td>30 mA</td> </tr> <tr> <td>Alarm relay output (NO/NC)</td> <td>30 VDC / 80 mA / Ri 18 Ohm NC</td> </tr> <tr> <td>Tamper relay output (NO/NC)</td> <td>30 VDC / 80 mA / Ri 10 Ohm NC</td> </tr> <tr> <td>Walking speed</td> <td>0.10 to 4.00 m/s</td> </tr> <tr> <td>Optical system</td> <td>Fresnel</td> </tr> <tr> <td>Control input</td> <td>Low &lt;= 1.5 V / high &gt;= 3.5 V</td> </tr> <tr> <td>Sensitivity adjustment</td> <td>PIR: DIP switch, potentiometer<br/>MW: DIP switch, potentiometer</td> </tr> <tr> <td>End of Line board provided</td> <td>No (see accessories or ask for already pre-fitted types)</td> </tr> <tr> <td>Pet immunity</td> <td>12 / 30 kg</td> </tr> <tr> <td>Operating temperature</td> <td>-10 ~ +50 °C</td> </tr> <tr> <td>Standard / approval</td> <td>EN 50131-2-4 Grade 2</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>62 x 121 x 40 mm</td> </tr> <tr> <td>Weight</td> <td>0.105 kg</td> </tr> </table> | Supply voltage | 9 ~ 16 VDC (12 V nom.) | Current consumption | 30 mA | Alarm relay output (NO/NC) | 30 VDC / 80 mA / Ri 18 Ohm NC | Tamper relay output (NO/NC) | 30 VDC / 80 mA / Ri 10 Ohm NC | Walking speed | 0.10 to 4.00 m/s | Optical system | Fresnel | Control input | Low <= 1.5 V / high >= 3.5 V | Sensitivity adjustment | PIR: DIP switch, potentiometer<br>MW: DIP switch, potentiometer | End of Line board provided | No (see accessories or ask for already pre-fitted types) | Pet immunity | 12 / 30 kg | Operating temperature | -10 ~ +50 °C | Standard / approval | EN 50131-2-4 Grade 2 | Dimensions (W x H x D) | 62 x 121 x 40 mm | Weight | 0.105 kg | ADM_Qxx12.. |
| Supply voltage              | 9 ~ 16 VDC (12 V nom.)   |                |                        |                     |       |                            |                               |                             |                               |               |                  |                |         |               |                              |                        |   |                            |  |              |            |                       |              |                     |                      |                        |                  |        |          |             |
| Current consumption         | 30 mA  |                |                        |                     |       |                            |                               |                             |                               |               |                  |                |         |               |                              |                        |   |                            |  |              |            |                       |              |                     |                      |                        |                  |        |          |             |
| Alarm relay output (NO/NC)  | 30 VDC / 80 mA / Ri 18 Ohm NC  |                |                        |                     |       |                            |                               |                             |                               |               |                  |                |         |               |                              |                        |   |                            |  |              |            |                       |              |                     |                      |                        |                  |        |          |             |
| Tamper relay output (NO/NC) | 30 VDC / 80 mA / Ri 10 Ohm NC  |                |                        |                     |       |                            |                               |                             |                               |               |                  |                |         |               |                              |                        |   |                            |  |              |            |                       |              |                     |                      |                        |                  |        |          |             |
| Walking speed               | 0.10 to 4.00 m/s   |                |                        |                     |       |                            |                               |                             |                               |               |                  |                |         |               |                              |                        |   |                            |  |              |            |                       |              |                     |                      |                        |                  |        |          |             |
| Optical system              | Fresnel  |                |                        |                     |       |                            |                               |                             |                               |               |                  |                |         |               |                              |                        |   |                            |  |              |            |                       |              |                     |                      |                        |                  |        |          |             |
| Control input               | Low <= 1.5 V / high >= 3.5 V   |                |                        |                     |       |                            |                               |                             |                               |               |                  |                |         |               |                              |                        |   |                            |  |              |            |                       |              |                     |                      |                        |                  |        |          |             |
| Sensitivity adjustment      | PIR: DIP switch, potentiometer<br>MW: DIP switch, potentiometer  |                |                        |                     |       |                            |                               |                             |                               |               |                  |                |         |               |                              |                        |   |                            |  |              |            |                       |              |                     |                      |                        |                  |        |          |             |
| End of Line board provided  | No (see accessories or ask for already pre-fitted types)   |                |                        |                     |       |                            |                               |                             |                               |               |                  |                |         |               |                              |                        |   |                            |  |              |            |                       |              |                     |                      |                        |                  |        |          |             |
| Pet immunity                | 12 / 30 kg   |                |                        |                     |       |                            |                               |                             |                               |               |                  |                |         |               |                              |                        |   |                            |  |              |            |                       |              |                     |                      |                        |                  |        |          |             |
| Operating temperature       | -10 ~ +50 °C   |                |                        |                     |       |                            |                               |                             |                               |               |                  |                |         |               |                              |                        |   |                            |  |              |            |                       |              |                     |                      |                        |                  |        |          |             |
| Standard / approval         | EN 50131-2-4 Grade 2   |                |                        |                     |       |                            |                               |                             |                               |               |                  |                |         |               |                              |                        |   |                            |  |              |            |                       |              |                     |                      |                        |                  |        |          |             |
| Dimensions (W x H x D)      | 62 x 121 x 40 mm   |                |                        |                     |       |                            |                               |                             |                               |               |                  |                |         |               |                              |                        |   |                            |  |              |            |                       |              |                     |                      |                        |                  |        |          |             |
| Weight                      | 0.105 kg   |                |                        |                     |       |                            |                               |                             |                               |               |                  |                |         |               |                              |                        |   |                            |  |              |            |                       |              |                     |                      |                        |                  |        |          |             |
| ADM-QXA12                   | <p><b>Fresnel PIR/MW motion detector, 12 m wide angle, 10.525 GHz</b></p> <p>See ADM-Qxx12.. for technical overview and note the additional / other specifications:</p> <table> <tr> <td>Microwave (MW)</td> <td>10.525 GHz</td> </tr> </table>  | Microwave (MW) | 10.525 GHz             | S54531-F101-A100    |       |                            |                               |                             |                               |               |                  |                |         |               |                              |                        |   |                            |  |              |            |                       |              |                     |                      |                        |                  |        |          |             |
| Microwave (MW)              | 10.525 GHz   |                |                        |                     |       |                            |                               |                             |                               |               |                  |                |         |               |                              |                        |   |                            |  |              |            |                       |              |                     |                      |                        |                  |        |          |             |
| ADM-QXB12                   | <p><b>Fresnel PIR/MW motion detector, 12 m wide angle, 9.9 GHz</b></p> <p>See ADM-Qxx12.. for technical overview and note the additional / other specifications:</p> <table> <tr> <td>Microwave (MW)</td> <td>9.9 GHz</td> </tr> </table>   | Microwave (MW) | 9.9 GHz                | S54531-F103-A100    |       |                            |                               |                             |                               |               |                  |                |         |               |                              |                        |   |                            |  |              |            |                       |              |                     |                      |                        |                  |        |          |             |
| Microwave (MW)              | 9.9 GHz  |                |                        |                     |       |                            |                               |                             |                               |               |                  |                |         |               |                              |                        |   |                            |  |              |            |                       |              |                     |                      |                        |                  |        |          |             |
| ADM-QXC12                   | <p><b>Fresnel PIR/MW motion detector, 12 m wide angle, 10.687 GHz</b></p> <p>See ADM-Qxx12.. for technical overview and note the additional / other specifications:</p> <table> <tr> <td>Microwave (MW)</td> <td>10.687 GHz</td> </tr> </table>  | Microwave (MW) | 10.687 GHz             | S54531-F104-A100    |       |                            |                               |                             |                               |               |                  |                |         |               |                              |                        |   |                            |  |              |            |                       |              |                     |                      |                        |                  |        |          |             |
| Microwave (MW)              | 10.687 GHz   |                |                        |                     |       |                            |                               |                             |                               |               |                  |                |         |               |                              |                        |   |                            |  |              |            |                       |              |                     |                      |                        |                  |        |          |             |
| ADM-QXD12                   | <p><b>Fresnel PIR/MW motion detector, 12 m wide angle, 9.35 GHz</b></p> <p>See ADM-Qxx12.. for technical overview and note the additional / other specifications:</p> <table> <tr> <td>Microwave (MW)</td> <td>9.35 GHz</td> </tr> </table>   | Microwave (MW) | 9.35 GHz               | S54531-F102-A100    |       |                            |                               |                             |                               |               |                  |                |         |               |                              |                        |   |                            |  |              |            |                       |              |                     |                      |                        |                  |        |          |             |
| Microwave (MW)              | 9.35 GHz   |                |                        |                     |       |                            |                               |                             |                               |               |                  |                |         |               |                              |                        |   |                            |  |              |            |                       |              |                     |                      |                        |                  |        |          |             |
| ADM-QKA12                   | <p><b>Fresnel PIR/MW motion detector, 12 m wide angle, 24.125 GHz</b></p> <p>See ADM-Qxx12.. for technical overview and note the additional / other specifications:</p> <table> <tr> <td>Microwave (MW)</td> <td>24.125 GHz</td> </tr> </table>  | Microwave (MW) | 24.125 GHz             | S54531-F105-A100    |       |                            |                               |                             |                               |               |                  |                |         |               |                              |                        |   |                            |  |              |            |                       |              |                     |                      |                        |                  |        |          |             |
| Microwave (MW)              | 24.125 GHz   |                |                        |                     |       |                            |                               |                             |                               |               |                  |                |         |               |                              |                        |   |                            |  |              |            |                       |              |                     |                      |                        |                  |        |          |             |

# Intrusion Detectors

## E-Line Detectors and Accessories

### E-Line Detectors



| Type  | Order No.   |                        |                                |       |                            |                               |                             |                               |               |                  |                |         |               |                              |                        |   |                            |  |              |            |                       |     |                       |              |                     |                      |                        |                  |        |          |                            |
|---|---|------------------------|--------------------------------|-------|----------------------------|-------------------------------|-----------------------------|-------------------------------|---------------|------------------|----------------|---------|---------------|------------------------------|------------------------|---|----------------------------|--|--------------|------------|-----------------------|-----|-----------------------|--------------|---------------------|----------------------|------------------------|------------------|--------|----------|----------------------------|
| <p><b>ADM-Qxx12T..</b></p>  <p><b>Fresnel PIR/MW motion detector with real-time antimask surveillance, 12 m wide angle</b></p> <p>The E-Line PIR detectors deliver the fastest installation time on the market thanks to their innovative End of Line concept. High precision Fresnel optics and progressive signal analysis are combined to deliver best-in class detection reliability and quality. Ideal for residential and commercial applications. The E-Line dual antimask detector offers a wide range of functionalities as pet immunity, flexible sensitivity adjustments for PIR and MW, antimask, creep zone protection and unique End of Line concept in exchangeable family design.</p> <table border="0"> <tr> <td>Supply voltage</td> <td>9 ~ 16 VDC (12 V nom.)</td> </tr> <tr> <td>Current consumption</td> <td>30 mA</td> </tr> <tr> <td>Alarm relay output (NO/NC)</td> <td>30 VDC / 80 mA / Ri 18 Ohm NC</td> </tr> <tr> <td>Tamper relay output (NO/NC)</td> <td>30 VDC / 80 mA / Ri 18 Ohm NC</td> </tr> <tr> <td>Walking speed</td> <td>0.10 to 4.00 m/s</td> </tr> <tr> <td>Optical system</td> <td>Fresnel</td> </tr> <tr> <td>Control input</td> <td>Low &lt;= 1.5 V / high &gt;= 3.5 V</td> </tr> <tr> <td>Sensitivity adjustment</td> <td>PIR: DIP switch, potentiometer<br/>MW: DIP switch, potentiometer</td> </tr> <tr> <td>End of Line board provided</td> <td>No (see accessories or ask for already pre-fitted types)</td> </tr> <tr> <td>Pet immunity</td> <td>12 / 30 kg</td> </tr> <tr> <td>Creep zone protection</td> <td>Yes</td> </tr> <tr> <td>Operating temperature</td> <td>-10 ~ +50 °C</td> </tr> <tr> <td>Standard / approval</td> <td>EN 50131-2-4 Grade 3</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>62 x 121 x 40 mm</td> </tr> <tr> <td>Weight</td> <td>0.110 kg</td> </tr> </table> | Supply voltage  | 9 ~ 16 VDC (12 V nom.) | Current consumption            | 30 mA | Alarm relay output (NO/NC) | 30 VDC / 80 mA / Ri 18 Ohm NC | Tamper relay output (NO/NC) | 30 VDC / 80 mA / Ri 18 Ohm NC | Walking speed | 0.10 to 4.00 m/s | Optical system | Fresnel | Control input | Low <= 1.5 V / high >= 3.5 V | Sensitivity adjustment | PIR: DIP switch, potentiometer<br>MW: DIP switch, potentiometer | End of Line board provided | No (see accessories or ask for already pre-fitted types) | Pet immunity | 12 / 30 kg | Creep zone protection | Yes | Operating temperature | -10 ~ +50 °C | Standard / approval | EN 50131-2-4 Grade 3 | Dimensions (W x H x D) | 62 x 121 x 40 mm | Weight | 0.110 kg | <p><b>ADM-Qxx12T..</b></p> |
| Supply voltage  | 9 ~ 16 VDC (12 V nom.)  |                        |                                |       |                            |                               |                             |                               |               |                  |                |         |               |                              |                        |   |                            |  |              |            |                       |     |                       |              |                     |                      |                        |                  |        |          |                            |
| Current consumption   | 30 mA   |                        |                                |       |                            |                               |                             |                               |               |                  |                |         |               |                              |                        |   |                            |  |              |            |                       |     |                       |              |                     |                      |                        |                  |        |          |                            |
| Alarm relay output (NO/NC)  | 30 VDC / 80 mA / Ri 18 Ohm NC                                   |                        |                                |       |                            |                               |                             |                               |               |                  |                |         |               |                              |                        |   |                            |  |              |            |                       |     |                       |              |                     |                      |                        |                  |        |          |                            |
| Tamper relay output (NO/NC)   | 30 VDC / 80 mA / Ri 18 Ohm NC                                   |                        |                                |       |                            |                               |                             |                               |               |                  |                |         |               |                              |                        |   |                            |  |              |            |                       |     |                       |              |                     |                      |                        |                  |        |          |                            |
| Walking speed   | 0.10 to 4.00 m/s  |                        |                                |       |                            |                               |                             |                               |               |                  |                |         |               |                              |                        |   |                            |  |              |            |                       |     |                       |              |                     |                      |                        |                  |        |          |                            |
| Optical system  | Fresnel   |                        |                                |       |                            |                               |                             |                               |               |                  |                |         |               |                              |                        |   |                            |  |              |            |                       |     |                       |              |                     |                      |                        |                  |        |          |                            |
| Control input   | Low <= 1.5 V / high >= 3.5 V                                    |                        |                                |       |                            |                               |                             |                               |               |                  |                |         |               |                              |                        |   |                            |  |              |            |                       |     |                       |              |                     |                      |                        |                  |        |          |                            |
| Sensitivity adjustment  | PIR: DIP switch, potentiometer<br>MW: DIP switch, potentiometer |                        |                                |       |                            |                               |                             |                               |               |                  |                |         |               |                              |                        |   |                            |  |              |            |                       |     |                       |              |                     |                      |                        |                  |        |          |                            |
| End of Line board provided  | No (see accessories or ask for already pre-fitted types)        |                        |                                |       |                            |                               |                             |                               |               |                  |                |         |               |                              |                        |   |                            |  |              |            |                       |     |                       |              |                     |                      |                        |                  |        |          |                            |
| Pet immunity  | 12 / 30 kg  |                        |                                |       |                            |                               |                             |                               |               |                  |                |         |               |                              |                        |   |                            |  |              |            |                       |     |                       |              |                     |                      |                        |                  |        |          |                            |
| Creep zone protection   | Yes   |                        |                                |       |                            |                               |                             |                               |               |                  |                |         |               |                              |                        |   |                            |  |              |            |                       |     |                       |              |                     |                      |                        |                  |        |          |                            |
| Operating temperature   | -10 ~ +50 °C  |                        |                                |       |                            |                               |                             |                               |               |                  |                |         |               |                              |                        |   |                            |  |              |            |                       |     |                       |              |                     |                      |                        |                  |        |          |                            |
| Standard / approval   | EN 50131-2-4 Grade 3  |                        |                                |       |                            |                               |                             |                               |               |                  |                |         |               |                              |                        |   |                            |  |              |            |                       |     |                       |              |                     |                      |                        |                  |        |          |                            |
| Dimensions (W x H x D)  | 62 x 121 x 40 mm  |                        |                                |       |                            |                               |                             |                               |               |                  |                |         |               |                              |                        |   |                            |  |              |            |                       |     |                       |              |                     |                      |                        |                  |        |          |                            |
| Weight  | 0.110 kg  |                        |                                |       |                            |                               |                             |                               |               |                  |                |         |               |                              |                        |   |                            |  |              |            |                       |     |                       |              |                     |                      |                        |                  |        |          |                            |
| <p><b>ADM-QXA12T</b></p> <p><b>Fresnel PIR/MW motion detector with real time antimask surveillance, 12 m wide angle, 10.525 GHz</b></p> <p>See ADM-Qxx12T.. for technical overview and note the additional / other specifications:</p> <table border="0"> <tr> <td>Microwave (MW)</td> <td>10.525 GHz</td> </tr> </table>   | Microwave (MW)  | 10.525 GHz             | <p><b>S54531-F107-A100</b></p> |       |                            |                               |                             |                               |               |                  |                |         |               |                              |                        |   |                            |  |              |            |                       |     |                       |              |                     |                      |                        |                  |        |          |                            |
| Microwave (MW)  | 10.525 GHz  |                        |                                |       |                            |                               |                             |                               |               |                  |                |         |               |                              |                        |   |                            |  |              |            |                       |     |                       |              |                     |                      |                        |                  |        |          |                            |
| <p><b>ADM-QXB12T</b></p> <p><b>Fresnel PIR/MW motion detector with real-time antimask surveillance, 12 m wide angle, 9.9 GHz</b></p> <p>See ADM-Qxx12T.. for technical overview and note the additional / other specifications:</p> <table border="0"> <tr> <td>Microwave (MW)</td> <td>9.9 GHz</td> </tr> </table>   | Microwave (MW)  | 9.9 GHz                | <p><b>S54531-F109-A100</b></p> |       |                            |                               |                             |                               |               |                  |                |         |               |                              |                        |   |                            |  |              |            |                       |     |                       |              |                     |                      |                        |                  |        |          |                            |
| Microwave (MW)  | 9.9 GHz   |                        |                                |       |                            |                               |                             |                               |               |                  |                |         |               |                              |                        |   |                            |  |              |            |                       |     |                       |              |                     |                      |                        |                  |        |          |                            |
| <p><b>ADM-QXC12T</b></p> <p><b>Fresnel PIR/MW motion detector with real-time antimask surveillance, 12 m wide angle, 10.687 GHz</b></p> <p>See ADM-Qxx12T.. for technical overview and note the additional / other specifications:</p> <table border="0"> <tr> <td>Microwave (MW)</td> <td>10.687 GHz</td> </tr> </table>   | Microwave (MW)  | 10.687 GHz             | <p><b>S54531-F110-A100</b></p> |       |                            |                               |                             |                               |               |                  |                |         |               |                              |                        |   |                            |  |              |            |                       |     |                       |              |                     |                      |                        |                  |        |          |                            |
| Microwave (MW)  | 10.687 GHz  |                        |                                |       |                            |                               |                             |                               |               |                  |                |         |               |                              |                        |   |                            |  |              |            |                       |     |                       |              |                     |                      |                        |                  |        |          |                            |
| <p><b>ADM-QXD12T</b></p> <p><b>Fresnel PIR/MW motion detector with real-time antimask surveillance, 12 m wide angle, 9.35 GHz</b></p> <p>See ADM-Qxx12T.. for technical overview and note the additional / other specifications:</p> <table border="0"> <tr> <td>Microwave (MW)</td> <td>9.35 GHz</td> </tr> </table>   | Microwave (MW)  | 9.35 GHz               | <p><b>S54531-F108-A100</b></p> |       |                            |                               |                             |                               |               |                  |                |         |               |                              |                        |   |                            |  |              |            |                       |     |                       |              |                     |                      |                        |                  |        |          |                            |
| Microwave (MW)  | 9.35 GHz  |                        |                                |       |                            |                               |                             |                               |               |                  |                |         |               |                              |                        |   |                            |  |              |            |                       |     |                       |              |                     |                      |                        |                  |        |          |                            |

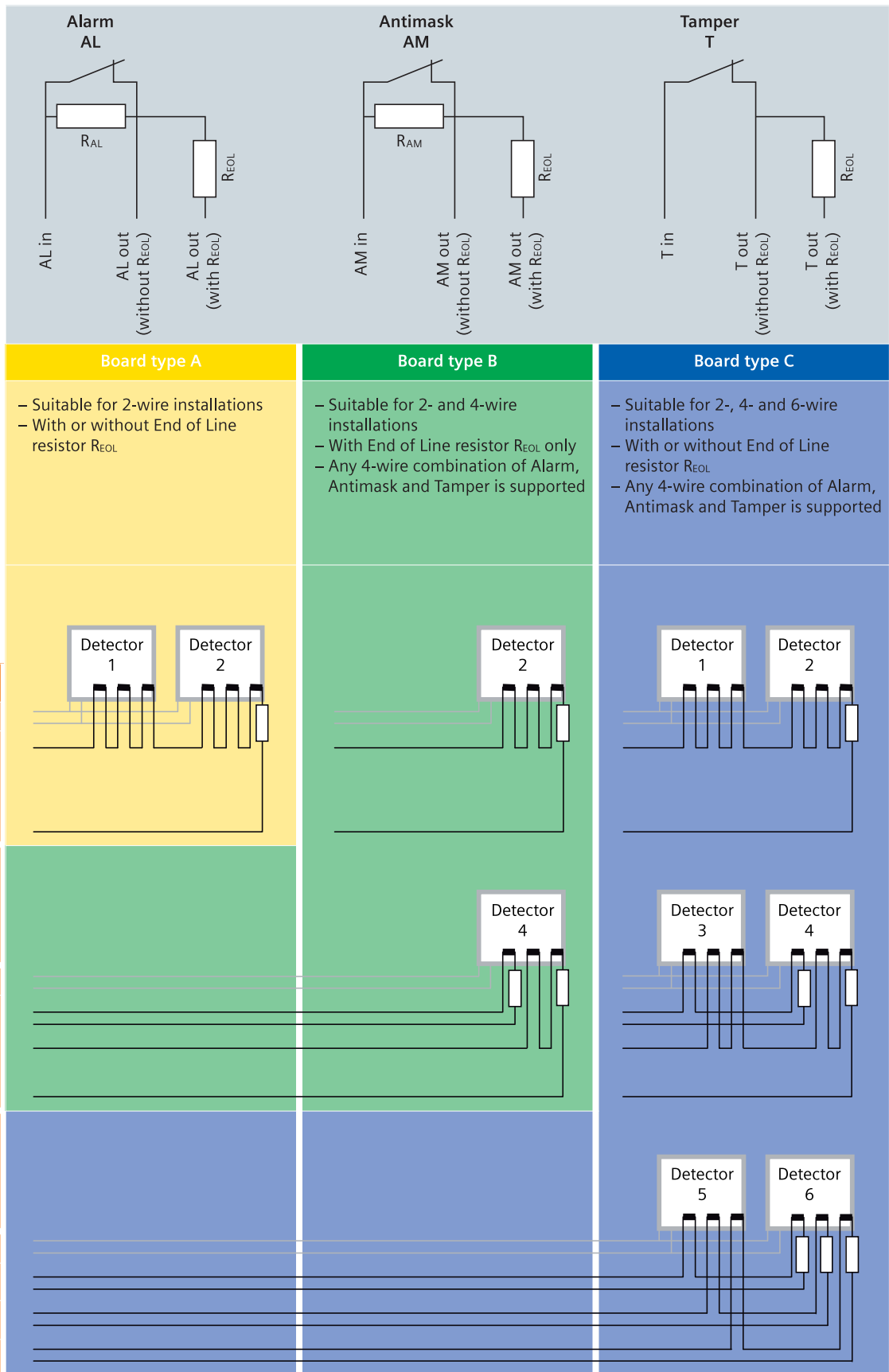
# Intrusion Detectors

## E-Line Detectors and Accessories

### E-Line Detectors

| Type  | Order No.        |
|---|------------------|
| <p>ADM-QKA12T      Fresnel dual detector with real-time antimask surveillance, 12 m wide angle, 24.125 GHz</p> <p>See ADM-Qxx12T.. for technical overview and note the additional / other specifications:</p> <p>Microwave (MW)                      24.125 GHz</p> | S54531-F111-A100 |

Intrusion Detectors  
 E-Line Detectors and Accessories  
 E-Line Detectors



## Intrusion Detectors

### E-Line Detectors and Accessories

#### Accessories

| Type      |   | Order No.        |
|-----------|---|------------------|
| AO-PA..   | <p><b>End of Line board type A for 2-wire installations with and without End of Line resistor</b></p> <p>The End of Line board type A is the smart and cost-effective solution for 2-wire installations with and without End of Line resistor. The same board is suitable for ADM-xxx detectors with and without antimask function. The different A-board types vary in resistor values for alarm (RAL), antimask (RAM) and End of Line (REOL).</p> <p>Wiring concept                      2-wire<br/>EOL resistor connectible            Selectable</p>                | AO-PA..          |
| AO-PA4747 | <p><b>EOL pcb 2-wire, 4k7, 4k7</b></p> <p>See AO-PA.. for technical overview and note the additional / other specifications:</p> <p>Resistor value                      Alarm RAL:     4.7 kΩ<br/>   Antimask RAM:  4.7 kΩ<br/>   End of Line REOL: 4.7 kΩ</p>  | S54539-F109-A100 |
| AO-PA2247 | <p><b>EOL pcb 2-wire, 2k2, 4k7</b></p> <p>See AO-PA.. for technical overview and note the additional / other specifications:</p> <p>Resistor value                      Alarm RAL:     2.2 kΩ<br/>   Antimask RAM:  2.2 kΩ<br/>   End of Line REOL: 4.7 kΩ</p>  | S54539-F109-A200 |
| AO-PA4722 | <p><b>EOL pcb 2-wire, 4k7, 2k2</b></p> <p>See AO-PA.. for technical overview and note the additional / other specifications:</p> <p>Resistor value                      Alarm RAL:     4.7 kΩ<br/>   Antimask RAM:  4.7 kΩ<br/>   End of Line REOL: 2.2 kΩ</p>  | S54539-F109-A300 |
| AO-PB..   | <p><b>End of Line board type B for 2- and 4-wire installations with End of Line resistor only</b></p> <p>The End of Line board type B is the flexible and cost-effective solution for 2- and 4-wire installations with End of Line resistor only. The same board is suitable for ADM-xxx detectors with and without antimask function. The different B-board types vary in resistor values for alarm (RAL), antimask (RAM) and End of Line (REOL).</p> <p>Wiring concept                      2-/4-wire<br/>EOL resistor connectible            Set, not selectable</p> | AO-PB..          |
| AO-PB4747 | <p><b>EOL pcb 2-/4-wire, 4k7, 4k7</b></p> <p>See AO-PB.. for technical overview and note the additional / other specifications:</p> <p>Resistor value                      Alarm RAL:     4.7 kΩ<br/>   Antimask RAM:  4.7 kΩ<br/>   End of Line REOL1, REOL2: 4.7 kΩ</p>   | S54539-F110-A100 |








# Intrusion Detectors E-Line Detectors and Accessories Accessories

| Type      |   | Order No.        |
|-----------|---|------------------|
| AO-PB2247 | <p><b>EOL pcb 2-/4-wire, 2k2, 4k7</b></p> <p>See AO-PB.. for technical overview and note the additional / other specifications:</p> <p>Resistor value                      Alarm RAL: 2.2 kΩ<br/> Antimask RAM: 2.2 kΩ<br/> End of Line REOL1, REOL2: 4.7 kΩ</p>  | S54539-F110-A200 |
| AO-PB4722 | <p><b>EOL pcb 2-/4-wire, 4k7, 2k2</b></p> <p>See AO-PB.. for technical overview and note the additional / other specifications:</p> <p>Resistor value                      Alarm RAL: 4.7 kΩ<br/> Antimask RAM: 4.7 kΩ<br/> End of Line REOL1, REOL2: 2.2 kΩ</p>  | S54539-F110-A300 |
| AO-PC..   | <p><b>End of Line board type C for 2-/4- and 6-wire installations with and without End of Line resistor.</b></p> <p>The End of Line board type C is the flexible solution for 2-/4- and 6-wire installations with and without end of line resistor. The same board is suitable for ADM-xxx detectors with and without antimask function. The different C-board types vary in resistor values for alarm (RAL), anti-mask (RAM) and End of Line (REOL).</p> <p>Wiring concept                      2-/4-/6-wire<br/> EOL resistor connectible              Selectable</p> | AO-PC..          |
| AO-PC4747 | <p><b>EOL pcb 2-/4-/6-wire, 4k7, 4k7</b></p> <p>See AO-PC.. for technical overview and note the additional / other specifications:</p> <p>Resistor value                      Alarm RAL: 4.7 kΩ<br/> Antimask RAM: 4.7 kΩ<br/> End of Line REOL1, REOL2, REOL3: 4.7 kΩ</p>  | S54539-F111-A100 |
| AO-PC2247 | <p><b>EOL pcb 2-/4-/6-wire, 2k2, 4k7</b></p> <p>See AO-PC.. for technical overview and note the additional / other specifications:</p> <p>Resistor value                      Alarm RAL: 2.2 kΩ<br/> Antimask RAM: 2.2 kΩ<br/> End of Line REOL1, REOL2, REOL3: 4.7 kΩ</p>  | S54539-F111-A200 |
| AO-PC4722 | <p><b>EOL pcb 2-/4-/6-wire, 4k7, 2k2</b></p> <p>See AO-PC.. for technical overview and note the additional / other specifications:</p> <p>Resistor value                      Alarm RAL: 4.7 kΩ<br/> Antimask RAM: 4.7 kΩ<br/> End of Line REOL1, REOL2, REOL3: 2.2 kΩ</p>  | S54539-F111-A300 |

## Intrusion Detectors


### E-Line Detectors and Accessories

#### Accessories

| Type   | Order No.               |
|--|-------------------------|
| <b>AO-C25</b><br>   | <b>S54539-F102-A100</b> |
| <p><b>Curtain lens set (12 pcs)</b></p> <p>The curtain lens has overlapping coverage zones in order to form a complete monitored area and to detect persons passing through. The field of view is covering a curtain area up to 25 m. The package consists of 12 pieces. For use with non-antimask (grade 2) detectors only.</p> <p>Delivery unit 12 pcs<br/>Weight Ca. 0.120 kg</p> |                         |
| <b>AO-WL10k</b><br>   | <b>S54539-F103-A100</b> |
| <p><b>White light filter (12 pcs)</b></p> <p>The white light filter is suitable for all ADM-xxx detectors. The filter is absorbing white light for complete detector functionality up to 10,000 lux. The package consists of 12 pieces.</p> <p>Delivery unit 12 pcs<br/>Weight Ca. 0.100 kg</p>  |                         |
| <b>AZ-MBG..</b>  | <b>AZ-MBG..</b>         |
| <p><b>Wall mount bracket with tamper switch</b></p> <p>The mounting brackets are suitable for all ADM-xxx detectors. With the AZ-MBG.. the detectors can be swivelled into special positions for EN 50131 Grade 2 or 3 wall and ceiling mounting installations.</p> <p>Horizontal angle adjustment +45 to 45°<br/>Weight Ca. 0.150 kg</p>  |                         |
| <b>AZ-MBG2</b><br>  | <b>S54593-F105-A100</b> |
| <p><b>Wall mount bracket, G2</b></p> <p>See AZ-MBG.. for technical overview and note the additional / other specifications:</p> <p>Standard / approval EN 50131-2-2 / EN 50131-2-4 Grade 2</p>   |                         |

Intrusion Detectors  
E-Line Detectors and Accessories  
Accessories



| Type   | Order No.                      |
|--|--------------------------------|
| <p><b>AZ-MBG3</b></p> <p><b>Wall mount bracket with tamper switch, G3</b></p> <p>See AZ-MBG.. for technical overview and note the additional / other specifications:</p> <p>Standard / approval                      EN 50131-2-2 / EN 50131-2-4 Grade 3</p>  | <p><b>S54539-F107-A100</b></p> |

# Intrunet external PIR detectors

Engineered for top performance ...



... in even the most challenging environments.



# External Motion Detectors



## Intrunet external PIR detectors – new heights in perimeter surveillance

External motion detectors have an important role to play in modern security systems, providing early warning of a perimeter breach before intruders gain access to critical buildings or assets.









Intrunet™ external passive infrared (PIR) detectors from Siemens push the boundaries of PIR technology, allowing industrial grade intrusion detection systems to become a viable option for a wider range of applications, from logistics and warehousing sites to high-risk infrastructure such as ports, airports, military sites, or power plants. The comprehensive range offers enhanced performance characteristics and a unique Windows-based configuration software, providing superior detection, lowest nuisance alarm rates, true tamper protection, and trouble-free installation, operation and maintenance. With standard, high performance and directional models available, the security can truly be tailored to the criticality and environmental conditions pertaining to each installation.







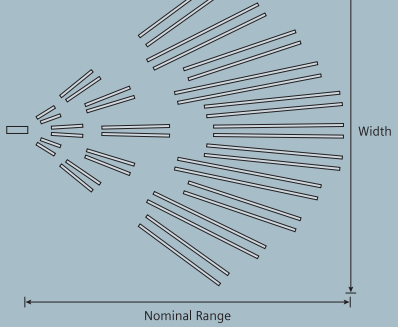
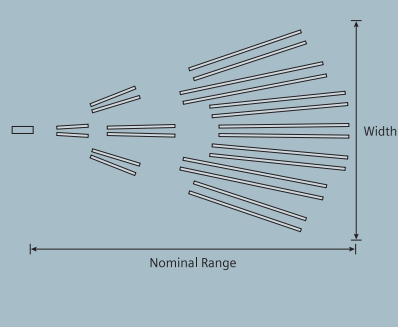
- Advanced gap-free curtain or volumetric coverage for a wide range of applications
- Superior responsiveness and detection thanks to precision mirror optics
- Lowest nuisance alarm rates
- Unique anti-vandal characteristics
- Low installation and maintenance costs
- Ideal with event-driven video surveillance and recording

# Intrusion Detectors

## External Motion Detectors

### Product Overview

| Overview curtain models | Medium-range curtain  |   | Directional medium-range curtain (new)   |   |
|-------------------------|---|---|--|---|
|                         | IS392   | IS392H  | IS392D   | IS392DH   |
|                         |  |  |  |  |
| Slide view              |  |   |  |   |
| Top view                |  |   |  |   |
| Coverage                | 50 m x 3.3 m<br>(165 ft x 11 ft)  | 60 m x 3.9 m<br>(200 ft x 13 ft)  | 50 m x 3.6 m<br>(165 ft x 12 ft)   | 60 m x 4.2 m<br>(200 ft x 14 ft)  |
| Optics                  | Segmented precision mirror  |   | Segmented precision mirror   |   |

| Overview volumetric models | Volumetric wide angle   |   | Volumetric medium range  |   |
|----------------------------|---|---|--|---|
|                            | IS390   | IS390H  | IS380  | IS380H  |
|                            |  |  |  |  |
| Slide view                 |  |   |  |   |
| Top view                   |  |   |  |   |
| Coverage                   | 21 m x 24 m<br>(70 ft x 80 ft)  | 27 m x 30 m<br>(90 ft x 100 ft)   | 24 m x 21 m<br>(80 ft x 70 ft)   | 30 m x 27 m<br>(100 ft x 90 ft)   |
| Optics                     | Segmented precision mirror  |   | Segmented precision mirror   |   |



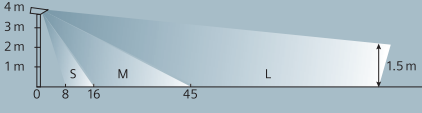

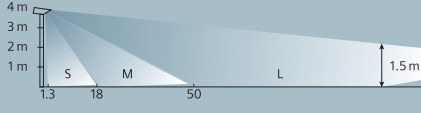

# Intrusion Detectors

## External Motion Detectors



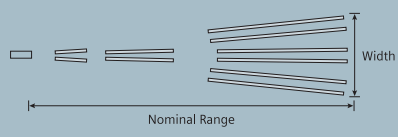

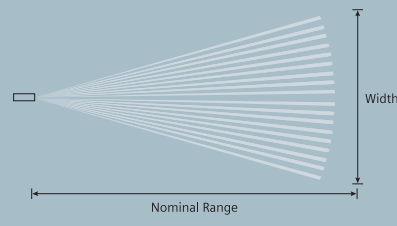
### Product Overview



3

| Long-range curtain   |                 | Long-range curtain/Steep look down   |
|--|-----------------|--|
| IS404  | IS404H          | IS405H   |
|   |                 |   |
| <br> |                 | <br> |
| 120 m x 2.7 m  | 150 m x 3.3 m   | 150 m x 3.3 m  |
| (400 ft x 9 ft)  | (500 ft x 11ft) | (500 ft x 11 ft)   |
| Precision glass mirror   |                 | Precision glass mirror   |

| Volumetric medium range  | Volumetric long range  |
|--|--|
| IS382  | IS384  |
|    |  |
| <br> | <br> |
| 40 m x 10 m  | 50 m x 30 m  |
| (130 ft x 90 ft)   | (165 ft x 100 ft)  |
| Segmented precision mirror   | Precision glass mirror   |

# Intrusion Detectors

## External Motion Detectors

### PIR External Motion Detectors

| Type    | External PIR detector   | Order No.        |
|---------|---|------------------|
| IS380.. | <p>Universal application for outdoor monitoring of unauthorized entry. Uniform high sensitivity over the entire detection range including close-in detection by means of focused mirror optics. For volumetric detection. Ideal for activating a combined video surveillance system.</p> <p>Supply voltage 10.5 ~ 30 VDC / 24 VAC (+/-15%)<br/>           Current consumption Typ. 18 mA @ 12 VDC / 10 mA @ 24 VDC<br/>           Alarm relay output (NO/NC) 28 VDC, max. 250 mA NC<br/>           Open collector output Open collector NPN, 60 VDC, max. 20 mA<br/>           Sensitivity adjustment DIP switches and RS485<br/>           Tamper switch 30 VDC, 100 mA<br/>           Communication Bi-directional RS 485 @ 9,600 baud<br/>           Optical system Segmented precision mirror<br/>           Walking speed 0.20 to 5.00 m/s<br/>           Installation height 2.50 to 4.00 m<br/>           Dimensions (W x H x D) Ca. 100 x 128 x 247 mm<br/>           Weight Ca. 0.900 kg</p> | IS380..          |
| IS380   | <p><b>External PIR detector volumetric, 24 x 21 m</b></p> <p>See IS380.. for technical overview and note the additional / other specifications:</p> <p>Front window Plastic, IR transmissive<br/>           Operating temperature -20 ~ +60 °C</p>  | S54533-F101-A100 |
| IS380H  | <p><b>External PIR detector volumetric, 30 x 27 m, high performance</b></p> <p>See IS380.. for technical overview and note the additional / other specifications:</p> <p>Front window Silicon, IR transmissive<br/>           Operating temperature -40 ~ +60 °C<br/>           Heated mirror optics Yes</p>  | S54533-F102-A100 |





# Intrusion Detectors

## External Motion Detectors

### PIR External Motion Detectors



3

Type

Order No.

IS382

#### External PIR detector volumetric, 40 x 10 m

S54533-F103-A100



Universal application for outdoor monitoring of unauthorized entry. Uniform high sensitivity over the entire detection range including close-in detection by means of focused mirror optics. For volumetric detection. Ideal for activating a combined video surveillance system.

|                            |  |
|----------------------------|--|
| Supply voltage             | 10.5 ~ 30 VDC / 24 VAC (+/-15%)        |
| Current consumption        | Typ. 18 mA @ 12 VDC / 10 mA @ 24 VDC   |
| Alarm relay output (NO/NC) | 28 VDC, max. 250 mA NC                 |
| Open collector output      | Open collector NPN, 60 VDC, max. 20 mA |
| Sensitivity adjustment     | DIP switches and RS485                 |
| Tamper switch              | 30 VDC, 100 mA                         |
| Communication              | Bi-directional RS 485 @ 9,600 baud     |
| Optical system             | Segmented precision mirror             |
| Walking speed              | 0.20 to 5.00 m/s                       |
| Front window               | Plastic, IR transmissive               |
| Installation height        | 2.50 to 4.00 m                         |
| Operating temperature      | -20 ~ +60 °C                           |
| Dimensions (W x H x D)     | Ca. 100 x 128 x 247 mm                 |
| Weight                     | Ca. 0.900 kg                           |

IS384

#### External PIR detector volumetric, 50 x 30 m

S54533-F104-A100



Universal application for outdoor monitoring of unauthorized entry. Uniform high sensitivity over the entire detection range including close-in detection by means of focused mirror optics. For volumetric detection. Ideal for activating a combined video surveillance system.

|                            |  |
|----------------------------|--|
| Supply voltage             | 10.5 ~ 30 VDC / 24 VAC (+/-15%)        |
| Current consumption        | Typ. 18 mA @ 12 VDC / 10 mA @ 24 VDC   |
| Alarm relay output (NO/NC) | 28 VDC, max. 250 mA NC                 |
| Open collector output      | Open collector NPN, 60 VDC, max. 20 mA |
| Sensitivity adjustment     | DIP switches and RS485                 |
| Tamper switch              | 30 VDC, 100 mA                         |
| Communication              | Bi-directional RS 485 @ 9,000 baud     |
| Optical system             | Precision glass mirror                 |
| Walking speed              | 0.20 to 5.00 m/s                       |
| Front window               | Plastic, IR transmissive               |
| Installation height        | 2.50 to 4.00 m                         |
| Operating temperature      | -20 ~ +60 °C                           |
| Dimensions (W x H x D)     | Ca. 100 x 128 x 247 mm                 |
| Weight                     | Ca. 0.900 kg                           |

# Intrusion Detectors




## External Motion Detectors

### PIR External Motion Detectors

| Type    | External PIR detector   | Order No.      |
|---------|---|----------------|
| IS390.. | <p>Universal application for outdoor monitoring of unauthorized entry. Uniform high sensitivity over the entire detection range including close-in detection by means of focused mirror optics. For volumetric detection. Ideal for activating a combined video surveillance system.</p> <p>Supply voltage 10.5 ~ 30 VDC / 24 VAC (+/- 15%)<br/>           Current consumption Typ. 18 mA @ 12 VDC / 10 mA @ 24VDC<br/>           Alarm relay output (NO/NC) 28 VDC, max. 250 mA NC<br/>           Open collector output Open collector NPN, 60 VDC, max. 20 mA<br/>           Sensitivity adjustment DIP switches and RS485<br/>           Tamper switch 30 VDC, 100 mA<br/>           Communication Bi-directional RS 485 @ 9,600 baud<br/>           Optical system Segmented precision mirror<br/>           Walking speed 0.20 to 5.00 m/s<br/>           Installation height 2.50 to 4.00 m<br/>           Dimensions (W x H x D) Ca. 100 x 128 x 247 mm<br/>           Weight Ca. 0.900 kg</p> | IS390..        |
| IS390   | <p><b>External PIR detector volumetric, 21 x 24 m</b></p> <p>See IS390.. for technical overview and note the additional / other specifications:</p> <p>Front window Plastic, IR transmissive<br/>           Operating temperature -20 ~ +60 °C<br/>           Data sheet 007854</p>   | BPZ:5398270001 |
| IS390H  | <p><b>External PIR detector volumetric, 27 x 30 m, high performance</b></p> <p>See IS390.. for technical overview and note the additional / other specifications:</p> <p>Front window Silicon, IR transmissive<br/>           Operating temperature -40 ~ +60 °C<br/>           Heated mirror optics yes<br/>           Data sheet 007854</p>   | A5Q00005094    |

Intrusion Detectors  
 External Motion Detectors  
 PIR External Motion Detectors



| Type  | Order No.               |
|---|-------------------------|
| <p><b>IS392..</b>                      <b>External PIR detector</b></p> <p>The IS392.. is suitable for outdoor environment. The integral mounting bracket allows alignment of the detector in any position. Switches enable easy and quick set-up. Ideal for activating a combined video surveillance system for curtain detection</p> <p>Supply voltage                      10.5 ~ 30 VDC / 24 VAC (+/-15%)<br/>           Current consumption              Typ. 18 mA @ 12 VDC / 10 mA @ 24 VDC</p> <p>Alarm relay output (NO/NC)        28 VDC, max. 250 mA NC<br/>           Open collector output              Open collector NPN, 60 VDC, max. 20 mA</p> <p>Sensitivity adjustment              DIP switches and RS485<br/>           Tamper switch                      30 VDC, 100 mA<br/>           Communication                      Bi-directional RS 485 @ 9,600 baud<br/>           Optical system                      Segmented precision mirror<br/>           Walking speed                      0.20 to 5.00 m/s<br/>           Installation height                  2.50 to 4.00 m<br/>           Dimensions (W x H x D)            Ca. 100 x 128 x 247 mm<br/>           Weight                                Ca. 0.900 kg</p> | <p>IS392..</p>          |
| <p><b>IS392</b></p>  <p><b>External PIR detector, curtain 50 x 3.3 m</b></p> <p>See IS392.. for technical overview and note the additional / other specifications:</p> <p>Operating temperature              -20 ~ +60 °C<br/>           Front window                        Plastic, IR transmissive</p>  | <p>BPZ:539830001</p>    |
| <p><b>IS392H</b></p>  <p><b>External PIR detector, curtain, 60 x 3.9 m, high performance</b></p> <p>See IS392.. for technical overview and note the additional / other specifications:</p> <p>Operating temperature              -40 ~ +60 °C<br/>           Front window                        Silicon, IR transmissive<br/>           Heated mirror optics                yes</p>   | <p>A5Q00005095</p>      |
| <p><b>IS392D</b></p>  <p><b>External PIR detector, directional curtain, 50 x 3.6 m</b></p> <p>See IS392.. for technical overview and note the additional / other specifications:</p> <p>Operating temperature              -20 ~ +60 °C<br/>           Front window                        Plastic, IR transmissive</p>  | <p>S54533-F105-A100</p> |

# Intrusion Detectors

## External Motion Detectors

### PIR External Motion Detectors

| Type  | Order No.   |                                 |                     |                                      |                            |                        |                       |  |                        |                        |               |                |               |                                    |                |                        |               |                  |                     |                |                        |                        |        |              |  |
|---|---|---------------------------------|---------------------|--------------------------------------|----------------------------|------------------------|-----------------------|--|------------------------|------------------------|---------------|----------------|---------------|------------------------------------|----------------|------------------------|---------------|------------------|---------------------|----------------|------------------------|------------------------|--------|--------------|--|
| IS392DH   | S54533-F106-A100  |                                 |                     |                                      |                            |                        |                       |  |                        |                        |               |                |               |                                    |                |                        |               |                  |                     |                |                        |                        |        |              |  |
|    | <p><b>External PIR detector, directional curtain, 60 x 4.2 m, high performance</b></p> <p>See IS392.. for technical overview and note the additional / other specifications:</p> <table border="0"> <tr> <td>Operating temperature</td> <td>-40 ~ +60 °C</td> </tr> <tr> <td>Front window</td> <td>Silicon, IR transmissive</td> </tr> <tr> <td>Heated mirror optics</td> <td>Yes</td> </tr> </table>   | Operating temperature           | -40 ~ +60 °C        | Front window                         | Silicon, IR transmissive   | Heated mirror optics   | Yes                   |  |                        |                        |               |                |               |                                    |                |                        |               |                  |                     |                |                        |                        |        |              |  |
| Operating temperature   | -40 ~ +60 °C  |                                 |                     |                                      |                            |                        |                       |  |                        |                        |               |                |               |                                    |                |                        |               |                  |                     |                |                        |                        |        |              |  |
| Front window  | Silicon, IR transmissive  |                                 |                     |                                      |                            |                        |                       |  |                        |                        |               |                |               |                                    |                |                        |               |                  |                     |                |                        |                        |        |              |  |
| Heated mirror optics  | Yes   |                                 |                     |                                      |                            |                        |                       |  |                        |                        |               |                |               |                                    |                |                        |               |                  |                     |                |                        |                        |        |              |  |
| IS404..   | IS404..   |                                 |                     |                                      |                            |                        |                       |  |                        |                        |               |                |               |                                    |                |                        |               |                  |                     |                |                        |                        |        |              |  |
| <p><b>External PIR detector</b></p> <p>The IS404.. is suitable for outdoor environment. The integral mounting bracket allows alignment of the detector in any position. Switches enable easy and quick set-up. Ideal for activating a combined video surveillance system for curtain detection</p> <table border="0"> <tr> <td>Supply voltage</td> <td>10.5 ~ 30 VDC / 24 VAC (+/-15%)</td> </tr> <tr> <td>Current consumption</td> <td>Typ. 18 mA @ 12 VDC / 10 mA @ 24 VDC</td> </tr> <tr> <td>Alarm relay output (NO/NC)</td> <td>28 VDC, max. 250 mA NC</td> </tr> <tr> <td>Open collector output</td> <td>Open collector NPN, 60 VDC, max. 20 mA</td> </tr> <tr> <td>Sensitivity adjustment</td> <td>DIP switches and RS485</td> </tr> <tr> <td>Tamper switch</td> <td>30 VDC, 100 mA</td> </tr> <tr> <td>Communication</td> <td>Bi-directional RS 485 @ 9,600 baud</td> </tr> <tr> <td>Optical system</td> <td>Precision glass mirror</td> </tr> <tr> <td>Walking speed</td> <td>0.20 to 5.00 m/s</td> </tr> <tr> <td>Installation height</td> <td>2.50 to 4.00 m</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>Ca. 100 x 128 x 247 mm</td> </tr> <tr> <td>Weight</td> <td>Ca. 0.900 kg</td> </tr> </table> | Supply voltage  | 10.5 ~ 30 VDC / 24 VAC (+/-15%) | Current consumption | Typ. 18 mA @ 12 VDC / 10 mA @ 24 VDC | Alarm relay output (NO/NC) | 28 VDC, max. 250 mA NC | Open collector output | Open collector NPN, 60 VDC, max. 20 mA | Sensitivity adjustment | DIP switches and RS485 | Tamper switch | 30 VDC, 100 mA | Communication | Bi-directional RS 485 @ 9,600 baud | Optical system | Precision glass mirror | Walking speed | 0.20 to 5.00 m/s | Installation height | 2.50 to 4.00 m | Dimensions (W x H x D) | Ca. 100 x 128 x 247 mm | Weight | Ca. 0.900 kg |  |
| Supply voltage  | 10.5 ~ 30 VDC / 24 VAC (+/-15%)   |                                 |                     |                                      |                            |                        |                       |  |                        |                        |               |                |               |                                    |                |                        |               |                  |                     |                |                        |                        |        |              |  |
| Current consumption   | Typ. 18 mA @ 12 VDC / 10 mA @ 24 VDC  |                                 |                     |                                      |                            |                        |                       |  |                        |                        |               |                |               |                                    |                |                        |               |                  |                     |                |                        |                        |        |              |  |
| Alarm relay output (NO/NC)  | 28 VDC, max. 250 mA NC  |                                 |                     |                                      |                            |                        |                       |  |                        |                        |               |                |               |                                    |                |                        |               |                  |                     |                |                        |                        |        |              |  |
| Open collector output   | Open collector NPN, 60 VDC, max. 20 mA  |                                 |                     |                                      |                            |                        |                       |  |                        |                        |               |                |               |                                    |                |                        |               |                  |                     |                |                        |                        |        |              |  |
| Sensitivity adjustment  | DIP switches and RS485  |                                 |                     |                                      |                            |                        |                       |  |                        |                        |               |                |               |                                    |                |                        |               |                  |                     |                |                        |                        |        |              |  |
| Tamper switch   | 30 VDC, 100 mA  |                                 |                     |                                      |                            |                        |                       |  |                        |                        |               |                |               |                                    |                |                        |               |                  |                     |                |                        |                        |        |              |  |
| Communication   | Bi-directional RS 485 @ 9,600 baud  |                                 |                     |                                      |                            |                        |                       |  |                        |                        |               |                |               |                                    |                |                        |               |                  |                     |                |                        |                        |        |              |  |
| Optical system  | Precision glass mirror  |                                 |                     |                                      |                            |                        |                       |  |                        |                        |               |                |               |                                    |                |                        |               |                  |                     |                |                        |                        |        |              |  |
| Walking speed   | 0.20 to 5.00 m/s  |                                 |                     |                                      |                            |                        |                       |  |                        |                        |               |                |               |                                    |                |                        |               |                  |                     |                |                        |                        |        |              |  |
| Installation height   | 2.50 to 4.00 m  |                                 |                     |                                      |                            |                        |                       |  |                        |                        |               |                |               |                                    |                |                        |               |                  |                     |                |                        |                        |        |              |  |
| Dimensions (W x H x D)  | Ca. 100 x 128 x 247 mm  |                                 |                     |                                      |                            |                        |                       |  |                        |                        |               |                |               |                                    |                |                        |               |                  |                     |                |                        |                        |        |              |  |
| Weight  | Ca. 0.900 kg  |                                 |                     |                                      |                            |                        |                       |  |                        |                        |               |                |               |                                    |                |                        |               |                  |                     |                |                        |                        |        |              |  |
| IS404   | A5Q00005097   |                                 |                     |                                      |                            |                        |                       |  |                        |                        |               |                |               |                                    |                |                        |               |                  |                     |                |                        |                        |        |              |  |
|    | <p><b>External PIR detector long range curtain, 120 x 2.7 m</b></p> <p>See IS404.. for technical overview and note the additional / other specifications:</p> <table border="0"> <tr> <td>Operating temperature</td> <td>-20 ~ +60 °C</td> </tr> <tr> <td>Front window</td> <td>Plastic, IR transmissive</td> </tr> <tr> <td>Data sheet</td> <td>007869</td> </tr> </table>   | Operating temperature           | -20 ~ +60 °C        | Front window                         | Plastic, IR transmissive   | Data sheet             | 007869                |  |                        |                        |               |                |               |                                    |                |                        |               |                  |                     |                |                        |                        |        |              |  |
| Operating temperature   | -20 ~ +60 °C  |                                 |                     |                                      |                            |                        |                       |  |                        |                        |               |                |               |                                    |                |                        |               |                  |                     |                |                        |                        |        |              |  |
| Front window  | Plastic, IR transmissive  |                                 |                     |                                      |                            |                        |                       |  |                        |                        |               |                |               |                                    |                |                        |               |                  |                     |                |                        |                        |        |              |  |
| Data sheet  | 007869  |                                 |                     |                                      |                            |                        |                       |  |                        |                        |               |                |               |                                    |                |                        |               |                  |                     |                |                        |                        |        |              |  |
| IS404H  | A5Q00005096   |                                 |                     |                                      |                            |                        |                       |  |                        |                        |               |                |               |                                    |                |                        |               |                  |                     |                |                        |                        |        |              |  |
|    | <p><b>External PIR detector long range curtain, 150 x 3.3 m, high performance</b></p> <p>See IS404.. for technical overview and note the additional / other specifications:</p> <table border="0"> <tr> <td>Operating temperature</td> <td>-40 ~ +60 °C</td> </tr> <tr> <td>Front window</td> <td>Silicon, IR transmissive</td> </tr> <tr> <td>Heated mirror optics</td> <td>Yes</td> </tr> <tr> <td>Data sheet</td> <td>007869</td> </tr> </table> | Operating temperature           | -40 ~ +60 °C        | Front window                         | Silicon, IR transmissive   | Heated mirror optics   | Yes                   | Data sheet                             | 007869                 |                        |               |                |               |                                    |                |                        |               |                  |                     |                |                        |                        |        |              |  |
| Operating temperature   | -40 ~ +60 °C  |                                 |                     |                                      |                            |                        |                       |  |                        |                        |               |                |               |                                    |                |                        |               |                  |                     |                |                        |                        |        |              |  |
| Front window  | Silicon, IR transmissive  |                                 |                     |                                      |                            |                        |                       |  |                        |                        |               |                |               |                                    |                |                        |               |                  |                     |                |                        |                        |        |              |  |
| Heated mirror optics  | Yes   |                                 |                     |                                      |                            |                        |                       |  |                        |                        |               |                |               |                                    |                |                        |               |                  |                     |                |                        |                        |        |              |  |
| Data sheet  | 007869  |                                 |                     |                                      |                            |                        |                       |  |                        |                        |               |                |               |                                    |                |                        |               |                  |                     |                |                        |                        |        |              |  |

Intrusion Detectors  
 External Motion Detectors  
 PIR External Motion Detectors



Type

Order No.

IS405H

**External PIR detector long range curtain, 150 x 3.3 m, 3 zones high performance**

S54533-F107-A100



The IS405H is suitable for outdoor environment. Switches enable easy and quick set-up. Ideal for activating a combined video surveillance system for curtain detection. ISMD42 is used for mounting. Separate transistor output per detection zone.


|                            |  |
|----------------------------|--|
| Supply                     | 10.5 ~ 30 VDC / 24 VAC (+/-15%)        |
| Current consumption        | Typ. 18 mA @ 12 VDC / 10 mA @ 24 VDC   |
| Alarm relay output (NO/NC) | 30 VDC, max. 250 mA NC                 |
| Open collector output      | Open collector NPN, 30 VDC, max. 50 mA |
| Sensitivity adjustment     | DIP switches and RS485                 |
| Tamper switch              | 30 VDC, 100 mA                         |
| Communication              | Bi-directional RS 485 @ 9,600 baud     |
| Optical system             | Precision glass mirror                 |
| Walking speed              | 0.20 to 5.00 m/s                       |
| Front window               | Silicon, IR transmissive               |
| Installation height        | 2.50 to 4.00 m                         |
| Operating temperature      | -40 ~ +60 °C                           |
| Heated mirror optics       | Yes                                    |
| Dimensions                 | Ca. 100 x 128 x 272 mm                 |
| Weight                     | Ca. 0.900 kg                           |

3

# Intrusion Detectors

## External Motion Detectors

### Active IR Beams

| Type  | Order No.  |                             |                                       |                              |                                       |                  |                                  |               |                                      |           |                       |               |                           |                          |            |                            |            |             |                                      |                       |              |                        |                    |        |          |
|---|--|-----------------------------|---------------------------------------|------------------------------|---------------------------------------|------------------|----------------------------------|---------------|--------------------------------------|-----------|-----------------------|---------------|---------------------------|--------------------------|------------|----------------------------|------------|-------------|--------------------------------------|-----------------------|--------------|------------------------|--------------------|--------|----------|
| IS43x..   | IS433..  |                             |                                       |                              |                                       |                  |                                  |               |                                      |           |                       |               |                           |                          |            |                            |            |             |                                      |                       |              |                        |                    |        |          |
|    | <p><b>Intelligent twin active infrared beams</b></p> <p>Intelligent active infrared beams especially designed for perimeter protection. The synchronized "twin" beams reinforce each other improving both range and stability in severe weather conditions: double pulse modulation protects against masking, 50,000 lux external light rejection, frost resistant cover, 4 selectable channels, monitor jack for alignment via multimeter, auto-gain circuit, use BP-60TE for pole mounting.</p> <table border="0"> <tr> <td>Alarm output contact rating</td> <td>Opens on alarm<br/>30 V (AC/DC) &lt;0.5 A</td> </tr> <tr> <td>Tamper output contact rating</td> <td>Opens on alarm<br/>30 V (AC/DC) &lt;0.5 A</td> </tr> <tr> <td>Detection system</td> <td>Simultaneous breaking of 2 beams</td> </tr> <tr> <td>Infrared beam</td> <td>LED pulsed beam<br/>double modulation</td> </tr> <tr> <td>Frequency</td> <td>4 selectable channels</td> </tr> <tr> <td>Response time</td> <td>50 ~ 700 msec. (variable)</td> </tr> <tr> <td>Vertical beam adjustment</td> <td>+10 ~ -10°</td> </tr> <tr> <td>Horizontal beam adjustment</td> <td>+90 ~ -90°</td> </tr> <tr> <td>Beam spread</td> <td>0.03 x distance (e.g. 1.2 m at 40 m)</td> </tr> <tr> <td>Operating temperature</td> <td>-25 ~ +60 °C</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>73 x 170 x 71.5 mm</td> </tr> <tr> <td>Weight</td> <td>0.780 kg</td> </tr> </table> | Alarm output contact rating | Opens on alarm<br>30 V (AC/DC) <0.5 A | Tamper output contact rating | Opens on alarm<br>30 V (AC/DC) <0.5 A | Detection system | Simultaneous breaking of 2 beams | Infrared beam | LED pulsed beam<br>double modulation | Frequency | 4 selectable channels | Response time | 50 ~ 700 msec. (variable) | Vertical beam adjustment | +10 ~ -10° | Horizontal beam adjustment | +90 ~ -90° | Beam spread | 0.03 x distance (e.g. 1.2 m at 40 m) | Operating temperature | -25 ~ +60 °C | Dimensions (W x H x D) | 73 x 170 x 71.5 mm | Weight | 0.780 kg |
| Alarm output contact rating   | Opens on alarm<br>30 V (AC/DC) <0.5 A  |                             |                                       |                              |                                       |                  |                                  |               |                                      |           |                       |               |                           |                          |            |                            |            |             |                                      |                       |              |                        |                    |        |          |
| Tamper output contact rating  | Opens on alarm<br>30 V (AC/DC) <0.5 A  |                             |                                       |                              |                                       |                  |                                  |               |                                      |           |                       |               |                           |                          |            |                            |            |             |                                      |                       |              |                        |                    |        |          |
| Detection system  | Simultaneous breaking of 2 beams   |                             |                                       |                              |                                       |                  |                                  |               |                                      |           |                       |               |                           |                          |            |                            |            |             |                                      |                       |              |                        |                    |        |          |
| Infrared beam   | LED pulsed beam<br>double modulation   |                             |                                       |                              |                                       |                  |                                  |               |                                      |           |                       |               |                           |                          |            |                            |            |             |                                      |                       |              |                        |                    |        |          |
| Frequency   | 4 selectable channels  |                             |                                       |                              |                                       |                  |                                  |               |                                      |           |                       |               |                           |                          |            |                            |            |             |                                      |                       |              |                        |                    |        |          |
| Response time   | 50 ~ 700 msec. (variable)  |                             |                                       |                              |                                       |                  |                                  |               |                                      |           |                       |               |                           |                          |            |                            |            |             |                                      |                       |              |                        |                    |        |          |
| Vertical beam adjustment  | +10 ~ -10°   |                             |                                       |                              |                                       |                  |                                  |               |                                      |           |                       |               |                           |                          |            |                            |            |             |                                      |                       |              |                        |                    |        |          |
| Horizontal beam adjustment  | +90 ~ -90°   |                             |                                       |                              |                                       |                  |                                  |               |                                      |           |                       |               |                           |                          |            |                            |            |             |                                      |                       |              |                        |                    |        |          |
| Beam spread   | 0.03 x distance (e.g. 1.2 m at 40 m)   |                             |                                       |                              |                                       |                  |                                  |               |                                      |           |                       |               |                           |                          |            |                            |            |             |                                      |                       |              |                        |                    |        |          |
| Operating temperature   | -25 ~ +60 °C   |                             |                                       |                              |                                       |                  |                                  |               |                                      |           |                       |               |                           |                          |            |                            |            |             |                                      |                       |              |                        |                    |        |          |
| Dimensions (W x H x D)  | 73 x 170 x 71.5 mm   |                             |                                       |                              |                                       |                  |                                  |               |                                      |           |                       |               |                           |                          |            |                            |            |             |                                      |                       |              |                        |                    |        |          |
| Weight  | 0.780 kg   |                             |                                       |                              |                                       |                  |                                  |               |                                      |           |                       |               |                           |                          |            |                            |            |             |                                      |                       |              |                        |                    |        |          |
| IS433   | BPZ:5299760001   |                             |                                       |                              |                                       |                  |                                  |               |                                      |           |                       |               |                           |                          |            |                            |            |             |                                      |                       |              |                        |                    |        |          |
| <p><b>Intelligent twin active infrared beams, outdoor 20 m</b></p> <p>See IS43x.. for technical overview and note the additional / other specifications:</p> <table border="0"> <tr> <td>Protection distance</td> <td>Outdoor 20 m, indoor 40 m</td> </tr> <tr> <td>Supply voltage</td> <td>12 ~ 30 VDC / 55 mA</td> </tr> <tr> <td>Data sheet</td> <td>008139</td> </tr> </table>  | Protection distance  | Outdoor 20 m, indoor 40 m   | Supply voltage                        | 12 ~ 30 VDC / 55 mA          | Data sheet                            | 008139           |                                  |               |                                      |           |                       |               |                           |                          |            |                            |            |             |                                      |                       |              |                        |                    |        |          |
| Protection distance   | Outdoor 20 m, indoor 40 m  |                             |                                       |                              |                                       |                  |                                  |               |                                      |           |                       |               |                           |                          |            |                            |            |             |                                      |                       |              |                        |                    |        |          |
| Supply voltage  | 12 ~ 30 VDC / 55 mA  |                             |                                       |                              |                                       |                  |                                  |               |                                      |           |                       |               |                           |                          |            |                            |            |             |                                      |                       |              |                        |                    |        |          |
| Data sheet  | 008139   |                             |                                       |                              |                                       |                  |                                  |               |                                      |           |                       |               |                           |                          |            |                            |            |             |                                      |                       |              |                        |                    |        |          |
| IS434   | BPZ:5299630001   |                             |                                       |                              |                                       |                  |                                  |               |                                      |           |                       |               |                           |                          |            |                            |            |             |                                      |                       |              |                        |                    |        |          |
| <p><b>Intelligent twin active infrared beams, outdoor 40 m</b></p> <p>See IS43x.. for technical overview and note the additional / other specifications:</p> <table border="0"> <tr> <td>Protection distance</td> <td>Outdoor 40 m, indoor 80 m</td> </tr> <tr> <td>Supply voltage</td> <td>12 ~ 30 VDC / 75 mA</td> </tr> <tr> <td>Data sheet</td> <td>008139</td> </tr> </table>  | Protection distance  | Outdoor 40 m, indoor 80 m   | Supply voltage                        | 12 ~ 30 VDC / 75 mA          | Data sheet                            | 008139           |                                  |               |                                      |           |                       |               |                           |                          |            |                            |            |             |                                      |                       |              |                        |                    |        |          |
| Protection distance   | Outdoor 40 m, indoor 80 m  |                             |                                       |                              |                                       |                  |                                  |               |                                      |           |                       |               |                           |                          |            |                            |            |             |                                      |                       |              |                        |                    |        |          |
| Supply voltage  | 12 ~ 30 VDC / 75 mA  |                             |                                       |                              |                                       |                  |                                  |               |                                      |           |                       |               |                           |                          |            |                            |            |             |                                      |                       |              |                        |                    |        |          |
| Data sheet  | 008139   |                             |                                       |                              |                                       |                  |                                  |               |                                      |           |                       |               |                           |                          |            |                            |            |             |                                      |                       |              |                        |                    |        |          |
| IS435   | BPZ:5299050001   |                             |                                       |                              |                                       |                  |                                  |               |                                      |           |                       |               |                           |                          |            |                            |            |             |                                      |                       |              |                        |                    |        |          |
| <p><b>Intelligent twin active infrared beams, outdoor 60 m</b></p> <p>See IS43x.. for technical overview and note the additional / other specifications:</p> <table border="0"> <tr> <td>Protection distance</td> <td>Outdoor 60 m, indoor 120 m</td> </tr> <tr> <td>Supply voltage</td> <td>12 ~ 30 VDC / 80 mA</td> </tr> <tr> <td>Data sheet</td> <td>008139</td> </tr> </table> | Protection distance  | Outdoor 60 m, indoor 120 m  | Supply voltage                        | 12 ~ 30 VDC / 80 mA          | Data sheet                            | 008139           |                                  |               |                                      |           |                       |               |                           |                          |            |                            |            |             |                                      |                       |              |                        |                    |        |          |
| Protection distance   | Outdoor 60 m, indoor 120 m   |                             |                                       |                              |                                       |                  |                                  |               |                                      |           |                       |               |                           |                          |            |                            |            |             |                                      |                       |              |                        |                    |        |          |
| Supply voltage  | 12 ~ 30 VDC / 80 mA  |                             |                                       |                              |                                       |                  |                                  |               |                                      |           |                       |               |                           |                          |            |                            |            |             |                                      |                       |              |                        |                    |        |          |
| Data sheet  | 008139   |                             |                                       |                              |                                       |                  |                                  |               |                                      |           |                       |               |                           |                          |            |                            |            |             |                                      |                       |              |                        |                    |        |          |

# Intrusion Detectors

## External Motion Detectors

### Active IR Beams



3

Type

Order No.

IS44x..



#### Intelligent quad active infrared beams

Intelligent active infrared beams especially designed for perimeter protection. The synchronized "quad" beams reinforce each other improving both range and stability in severe weather conditions: double pulse modulation protects against masking, 50,000 lux external light rejection, frost resistant cover, four selectable channels, monitor jack for alignment via multimeter, auto-gain circuit, auto-gain lock environmental output, sound alignment feature, use of BP-200F for pole mounting, use HTF-24E for heating.

|                              |   |
|------------------------------|---|
| Alarm output contact rating  | Opens on alarm<br>30 V (AC/DC) <1 A     |
| Tamper output contact rating | Opens on alarm<br>30 V (AC/DC) <0.1 A   |
| Detection system             | Simultaneous breaking of 4 beams        |
| Infrared beam                | LED pulsed beam<br>double modulation    |
| Frequency                    | 4 selectable channels                   |
| Response time                | 50 ~ 700 msec. (variable)               |
| Vertical beam adjustment     | +10 ~ -10°                              |
| Horizontal beam adjustment   | +90 ~ -90°                              |
| Beam spread                  | 0.024 x distance (e.g. 2.40 m at 100 m) |
| Operating temperature        | -25 ~ +60 °C                            |
| Dimensions (W x H x D)       | 104 x 390 x 98 mm                       |
| Weight                       | 2.500 kg                                |

IS443..

IS443

#### Intelligent quad active infrared beams, 50 m

See IS44x.. for technical overview and note the additional / other specifications:

|                     |                     |
|---------------------|---------------------|
| Protection distance | Outdoor 50 m        |
| Supply voltage      | 12 ~ 30 VDC / 95 mA |
| Data sheet          | 008138              |

BPZ:5299920001

IS444

#### Intelligent quad active infrared outdoor beams, 100 m

See IS44x.. for technical overview and note the additional / other specifications:

|                     |                      |
|---------------------|----------------------|
| Protection distance | Outdoor 100 m        |
| Power supply        | 12 ~ 30 VDC / 105 mA |

BPZ:5299890001

IS445

#### Intelligent quad active infrared outdoor beams, 200 m

See IS44x.. for technical overview and note the additional / other specifications:

|                     |                      |
|---------------------|----------------------|
| Protection distance | Outdoor 200 m        |
| Power supply        | 12 ~ 30 VDC / 120 mA |

BPZ:5299500001

## Intrusion Detectors

### External Motion Detectors

### Accessories Overview

|          |                          |                  | PIR external motion detectors |        |                      |        |
|----------|--------------------------|------------------|-------------------------------|--------|----------------------|--------|
|          |                          |                  | Volumetric wide angle         |        | Medium-range curtain |        |
|          |                          |                  | IS390                         | IS390H | IS392                | IS392H |
| Type     | Description              | Order no.        |                               |        |                      |        |
| ISMD41-3 | Pole mount HW            | A5Q00026220      | ■                             | ■      | ■                    | ■      |
| ISTC41   | Installation telescope   | BPZ:4455260001   | ■                             | ■      | ■                    | ■      |
| ISWT41   | Cordless walktester      | A5Q00026218      | ■                             | ■      | ■                    | ■      |
| ISIF485B | Installation module SW   | A5Q00026219      | ■                             | ■      | ■                    | ■      |
| ISMD42   | Pole mount HW for IS405H | S54533-B101-A100 |                               |        |                      |        |

|         |                               |                | Active IR outdoor beams |       |       |       |       |       |
|---------|-------------------------------|----------------|-------------------------|-------|-------|-------|-------|-------|
|         |                               |                | IS433                   | IS434 | IS435 | IS443 | IS444 | IS445 |
| Type    | Description                   | Order no.      |                         |       |       |       |       |       |
| BP-60TE | Pole mounting cover for beams | BPZ:5386370001 | ■                       | ■     | ■     |       |       |       |
| BP-200F | Pole mounting cover for beams | BPZ:5386240001 |                         |       |       | ■     | ■     | ■     |
| HTF-24  | Heater for quad beams         | BPZ:5386110001 |                         |       |       | ■     | ■     | ■     |








| PIR external motion detectors |        |                         |        |       |                       |                                  |         |  |
|-------------------------------|--------|-------------------------|--------|-------|-----------------------|----------------------------------|---------|--|
| Long-range curtain            |        | Volumetric medium range |        |       | Volumetric long range | Directional medium-range curtain |         | Long-range curtain/<br>Steep look down |
| IS404                         | IS404H | IS380                   | IS380H | IS382 | IS384                 | IS392D                           | IS392DH | IS405H                                 |
| ■                             | ■      | ■                       | ■      | ■     | ■                     | ■                                | ■       |  |
| ■                             | ■      | ■                       | ■      | ■     | ■                     | ■                                | ■       |  |
| ■                             | ■      | ■                       | ■      | ■     | ■                     | ■                                | ■       | ■                                      |
| ■                             | ■      | ■                       | ■      | ■     | ■                     | ■                                | ■       | ■                                      |
|                               |        |                         |        |       |                       |                                  |         | ■                                      |

## Intrusion Detectors

### External Motion Detectors

### Accessories

| Type     |   | Order No.        |
|----------|---|------------------|
| ISIF485B | <p><b>ISIF485B Installation module and software</b></p> <p>The installation software is very useful for alignment and signal check during setting up and routine maintenance. It will indicate the amplitudes generated by wanted as well as unwanted targets and help set the gain control correctly during the walk tests and also show the magnitude of disturbance signals. This accessory is for IS380., IS382, IS384, IS390., IS392., IS404., IS405H.</p>  | A5Q00026219      |
| ISTC41   | <p><b>Installation telescope for IS380., IS382, IS384, IS390., IS392., IS404., IS405H</b></p> <p>The installation telescope ISTC41 is used for easy alignment of the surveillance zone and to set the sensitivity at the point of installation.</p> <p>Weight 0.320 kg</p>   | BPZ:4455260001   |
| ISWT41   | <p><b>Cordless walk tester for IS380., IS382, IS384, IS390., IS392., IS404., IS405H</b></p> <p>The cordless walk tester ISWT41 is an accessory for checking the detector alignment remotely. During walk test it indicates a detector alarm with a beeper and a LED. The walk tester consists of a transmitter and a receiver.</p> <p>Weight 0.175 kg</p>   | A5Q00026218      |
| ISMD41-3 | <p><b>Pole mounting bracket for IS380., IS382, IS384, IS390., IS392., IS404..</b></p> <p>Pole mounting bracket ISMD41-3 with two strap bands for poles of 4...16 cm diameter.</p> <p>Weight 0.160 kg</p>  | A5Q00026220      |
| ISMD42   | <p><b>Mount hardware for IS405H</b></p> <p>Mounting bracket ISMD42 for IS405H external PIR detector only.</p>   | S54533-B101-A100 |
| BP-60TE  | <p><b>Pole mounting cover for IS43x beams</b></p> <p>Special cover designed to weatherproof IS433, IS434 and IS435 beams when mounted on round poles outside.</p> <p>Delivery unit 1 pair per carton<br/> Pole sizes Ø 38 ~ 45 mm<br/> Weight 0.400 kg</p>   | BPZ:5386370001   |

Intrusion Detectors  
 External Motion Detectors  
 Accessories



Type

Order No.

BP-200F

**Pole mounting cover for IS44x beams**

Special cover designed to weatherproof IS443, IS444 and IS445 beams when mounted on round poles outside.



|               |                   |
|---------------|-------------------|
| Delivery unit | 1 pair per carton |
| Pole sizes    | Ø 38 ~ 45 mm      |
| Weight        | 0.615 kg          |

BPZ:5386240001

HTF-24

**Heater for IS44x beams**

For use with IS443, IS444 and IS445 in severe weather conditions (snow, frost)



|               |                           |
|---------------|---------------------------|
| Delivery unit | 1 pair per carton         |
| Power supply  | 24 VDC / 860 mA (typical) |
| Weight        | 0.082 kg                  |

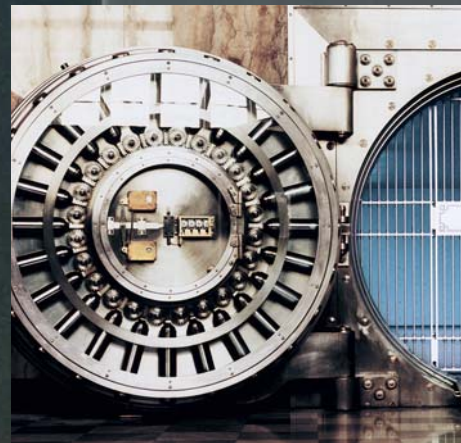
BPZ:5386110001

3

# Intrunet seismic detectors

Tailored security and optimal damage limitation ...

... for all specialist applications.



# Seismic Detectors



## Intrunet seismic detectors – 24/7 protection of cash and valuables

The range of Intrunet™ seismic detectors from Siemens are specifically designed for round-the-clock monitoring of safes, automated teller machines (ATMs), night deposits, strong rooms and modular vaults and protection against vandalism and theft. Easy to install and program, the detectors offer one of the highest detection range and false alarm immunity on the market, and are optimized for installation on steel, concrete and synthetic composite materials.







The combination of advanced digital signal processing and the Senstec™ bimorph sensor technology enables any mechanical or thermal attack to be immediately detected: The alarm is triggered repeatedly during the attack, giving ample time for intervention before the intruder has managed to gain access to the valuables or serious structural damage is done. This technology also ensures that environmental disturbances are ignored, and false alarms eliminated.

- Reliable early detection of thermal and mechanical attacks
- Optimal structural damage limitation
- Unique Senstec patented sensor technology
- Outstanding false alarm immunity
- Fast installation and adjustable application-specific sensitivity settings

# Intrusion Detectors

## Seismic Detectors

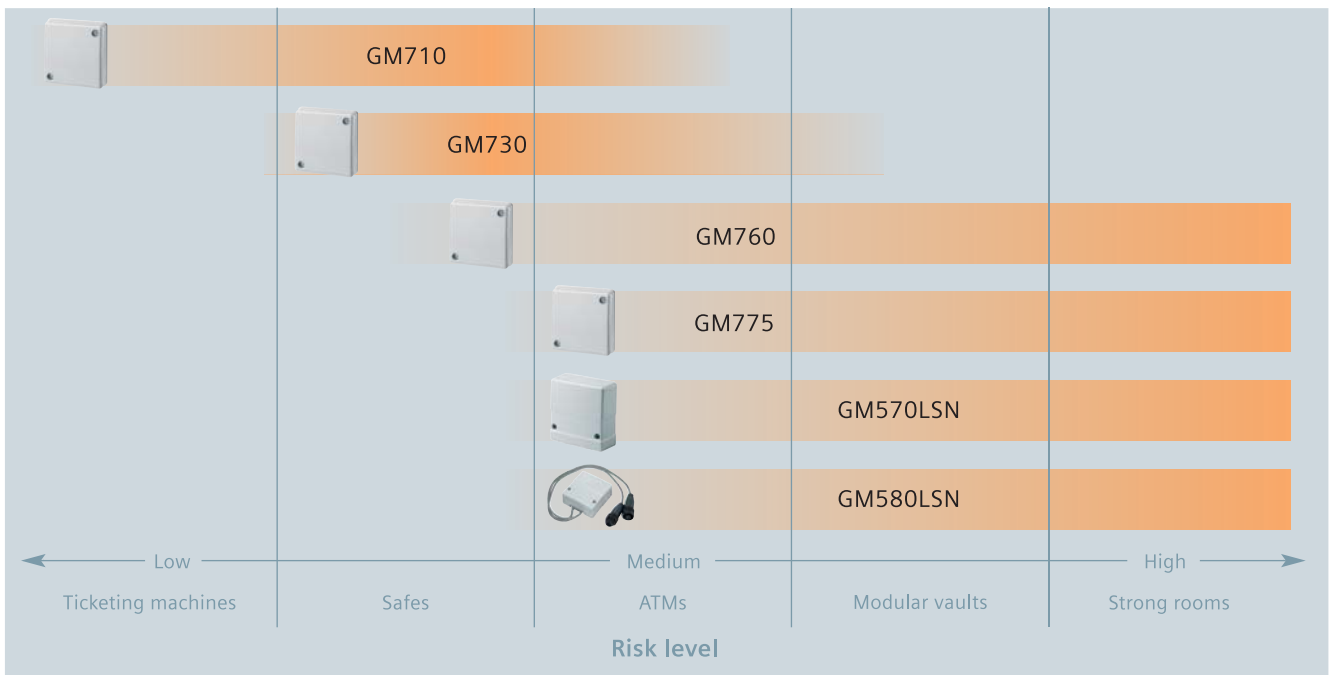
### Product Overview

|   | GM710   | GM730   | GM760   | GM775  | GM570LSN  | GM580LSN  |
|---|---|---|---|--|---|---|
|   |  |  |  |  |  |  |
| <b>Material/applications</b>  |   |   |   |  |   |   |
| Steel (vaults, ATMs, night depositories)  | ■   | ■   | ■   | ■  | ■   | ■   |
| Concrete  |   |   | ■   | ■  | ■   | ■   |
| Synthetic material (lightweight vaults, ATMs armoured with synthetic materials) |   |   | ■   | ■  | ■   | ■   |
| <b>Detection range</b>  |   |   |   |  |   |   |
| Operating range on concrete (up to)   |   |   |   |  |   |   |
| – thermal tools   | 2 m   | 4 m   | 5 m   | 5 m  | 4 m   | 4 m   |
| – mechanical tools  | 10 m  | 16 m  | 18 m  | 18 m   | 16 m  | 16 m  |
| Covered area (up to)  | 12.5 m <sup>2</sup>   | 50 m <sup>2</sup>   | 80 m <sup>2</sup>   | 80 m <sup>2</sup>  | 50 m <sup>2</sup>   | 50 m <sup>2</sup>   |
| <b>Features</b>   |   |   |   |  |   |   |
| Remote sensitivity  |   | ■   | ■   | ■  | ■   | via LSN   |
| Sensitivity adjustment  |   |   |   |  |   |   |
| – programmable SensTool (user mode)   |   | 5 levels  | 7 levels  | 7 levels   | 6 levels via LSN  | 6 levels via LSN  |
| – DIP switch settings   | 4 levels (fixed)  | 4 levels (3 fixed)  | 4 levels (3 fixed)  | 4 levels (3 fixed)   |   |   |
| Tamper protections  |   |   |   |  |   |   |
| – opening   | ■   | ■   | ■   | ■  | ■   | ■   |
| – tear off  | ■   | ■   | ■   | ■  |   |   |
| Low-/high-temperature monitoring  |   | –15 to +85 °C fixed   | –40 to +85 °C adjustable  | –40 to +85 °C adjustable   | –40 to +85 °C adjustable  | –40 to +85 °C adjustable  |
| Anti-drilling shield  |   | Optional  | Optional  | Optional   | Optional  | Optional  |
| Connector test transmitter  | ■   | ■   | ■   | ■  | ■   | ■   |
| Event memory  |   |   | ■   | ■  |   |   |
| Electronic alarm output   |   |   |   | ■  |   |   |
| <b>Technical specifications</b>   |   |   |   |  |   |   |
| Mounting screws   | 2   | 2   | 2   | 2  | 3   | 3   |
| Dimensions (W x H x D)  | 89 x 89 x 22 mm   | 89 x 89 x 22 mm   | 89 x 89 x 22 mm   | 89 x 89 x 22 mm  | 89 x 89 x 39.5 mm   | 89 x 89 x 39.5 mm   |
| Supply voltage  | 8–16 V  | 8–16 V  | 8–16 V  | 8–16 V   | max. 33 V (LSN)   | max. 33 V (LSN)   |
| Current consumption   |   |   |   |  |   |   |
| – quiet   | 3 mA  | 3 mA  | 3 mA  | 3 mA   | 1.5 mA  | 1.8 mA  |
| – on alarm  | 5 mA  | 5 mA  | 5 mA  | 5 mA   | 1.6 mA  | 2.0 mA  |
| Operating temperature   | –40 to +70 °C   | –40 to +70 °C   | –40 to +70 °C   | –40 to +70 °C  | –20 to +70 °C   | –20 to +70 °C   |
| Housing protection  | IP43  | IP43  | IP43  | IP43   | IP43  | IP67  |
| <b>Approvals</b>  |   |   |   |  |   |   |
| VdS – DE  |   | ■   |   | ■  | ■   | ■   |
| VSÖ – AT  |   |   |   |  | ■   |   |
| IMQ – IT  |   | ■   | ■   |  |   |   |
| CNMIS – FR  |   | ■   | ■   |  |   |   |
| INCERT – BE   |   | ■   | ■   |  |   |   |
| SBSC – SE   |   | ■   |   | ■  |   |   |
| PIE – PL  |   | ■   | ■   |  |   |   |
| UL C-US – US, CD  | ■   | ■   | ■   |  |   |   |
| CCC – CN  | ■   | ■   | ■   |  |   |   |

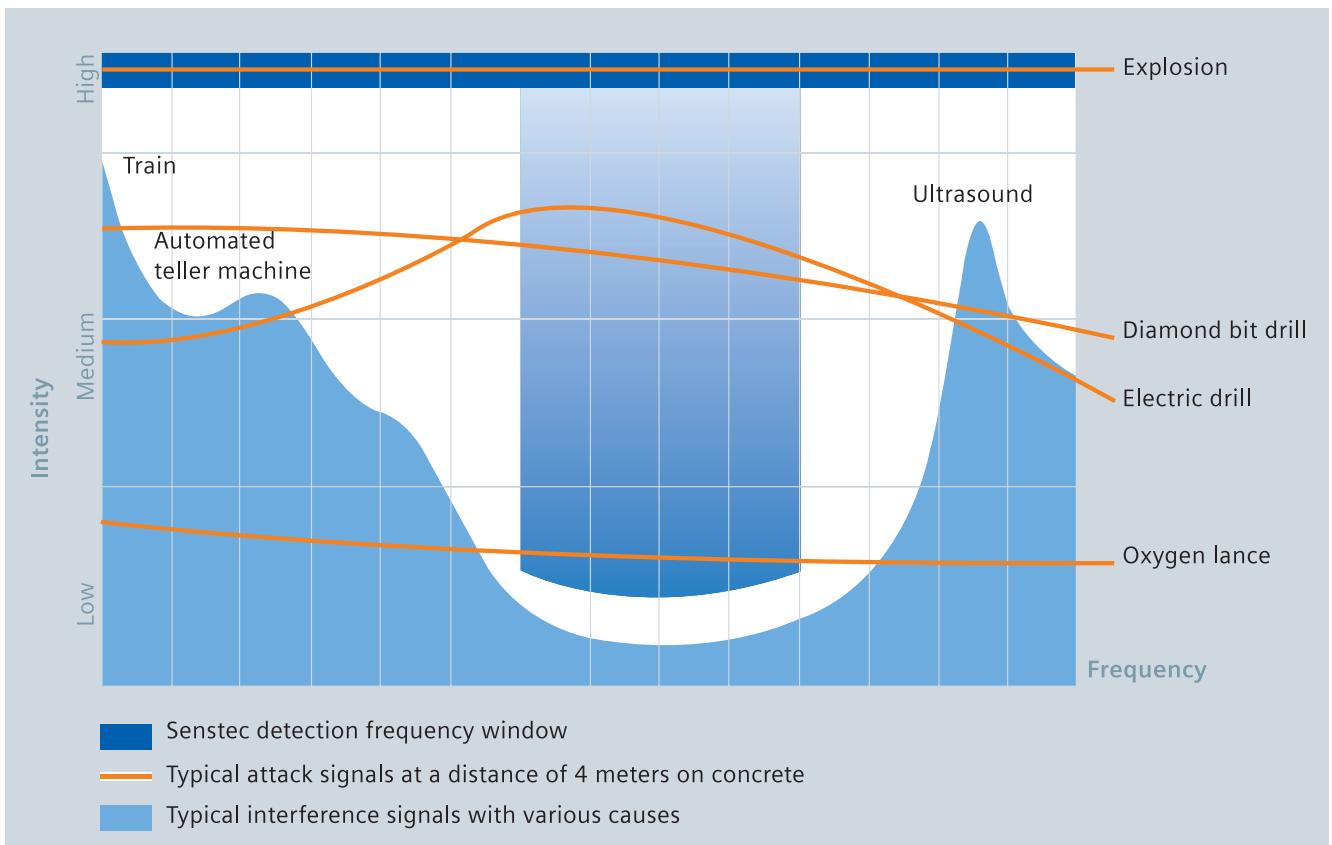
Intrusion Detectors  
Seismic Detectors  
Product Overview



4



Seismic detectors application range





Sophisticated digital signal processing

## Intrusion Detectors

### Seismic Detectors

### Seismic Detectors

| Type                          |  | Order No.                   |                           |              |                           |                              |                      |                    |                                 |                     |                                |                          |              |                               |              |                               |                 |                        |                 |          |                   |            |             |                  |             |                  |
|-------------------------------|--|-----------------------------|---------------------------|--------------|---------------------------|------------------------------|----------------------|--------------------|---------------------------------|---------------------|--------------------------------|--------------------------|--------------|-------------------------------|--------------|-------------------------------|-----------------|------------------------|-----------------|----------|-------------------|------------|-------------|------------------|-------------|------------------|
| GM710                         | <b>Seismic detector with standard functionality for steel applications</b><br><br>Seismic detector with optimized functionality and range for cost sensitive steel applications like safes, night deposits, ticket machines and automatic cash dispenser against break in attempts with mechanical and thermal attack tools.<br><br><br><br><table><tr><td>Coverage area for all tools</td><td>2 m / 12.5 m<sup>2</sup></td></tr><tr><td>Power supply</td><td>8 - 16 VDC (12 V nominal)</td></tr><tr><td>Current consumption (12 VDC)</td><td>3 mA (5 mA on alarm)</td></tr><tr><td>Alarm output relay</td><td>Opens on alarm, 30 VDC / 100 mA</td></tr><tr><td>DIP switch settings</td><td>4 levels fixed</td></tr><tr><td>Operating temperature</td><td>-40 ~ +70 °C</td></tr><tr><td>Housing protection (EN 60529)</td><td>IP43</td></tr><tr><td>Dimensions (W x H x D)</td><td>89 x 89 x 22 mm</td></tr><tr><td>Approval</td><td>UL, CCC</td></tr><tr><td>Weight</td><td>0.210 kg</td></tr><tr><td>Data sheet</td><td>A6V10245474</td></tr></table>   | Coverage area for all tools | 2 m / 12.5 m <sup>2</sup> | Power supply | 8 - 16 VDC (12 V nominal) | Current consumption (12 VDC) | 3 mA (5 mA on alarm) | Alarm output relay | Opens on alarm, 30 VDC / 100 mA | DIP switch settings | 4 levels fixed                 | Operating temperature    | -40 ~ +70 °C | Housing protection (EN 60529) | IP43         | Dimensions (W x H x D)        | 89 x 89 x 22 mm | Approval               | UL, CCC         | Weight   | 0.210 kg          | Data sheet | A6V10245474 | S54534-F106-A100 |             |                  |
| Coverage area for all tools   | 2 m / 12.5 m <sup>2</sup>  |                             |                           |              |                           |                              |                      |                    |                                 |                     |                                |                          |              |                               |              |                               |                 |                        |                 |          |                   |            |             |                  |             |                  |
| Power supply                  | 8 - 16 VDC (12 V nominal)  |                             |                           |              |                           |                              |                      |                    |                                 |                     |                                |                          |              |                               |              |                               |                 |                        |                 |          |                   |            |             |                  |             |                  |
| Current consumption (12 VDC)  | 3 mA (5 mA on alarm)   |                             |                           |              |                           |                              |                      |                    |                                 |                     |                                |                          |              |                               |              |                               |                 |                        |                 |          |                   |            |             |                  |             |                  |
| Alarm output relay            | Opens on alarm, 30 VDC / 100 mA  |                             |                           |              |                           |                              |                      |                    |                                 |                     |                                |                          |              |                               |              |                               |                 |                        |                 |          |                   |            |             |                  |             |                  |
| DIP switch settings           | 4 levels fixed   |                             |                           |              |                           |                              |                      |                    |                                 |                     |                                |                          |              |                               |              |                               |                 |                        |                 |          |                   |            |             |                  |             |                  |
| Operating temperature         | -40 ~ +70 °C   |                             |                           |              |                           |                              |                      |                    |                                 |                     |                                |                          |              |                               |              |                               |                 |                        |                 |          |                   |            |             |                  |             |                  |
| Housing protection (EN 60529) | IP43   |                             |                           |              |                           |                              |                      |                    |                                 |                     |                                |                          |              |                               |              |                               |                 |                        |                 |          |                   |            |             |                  |             |                  |
| Dimensions (W x H x D)        | 89 x 89 x 22 mm  |                             |                           |              |                           |                              |                      |                    |                                 |                     |                                |                          |              |                               |              |                               |                 |                        |                 |          |                   |            |             |                  |             |                  |
| Approval                      | UL, CCC  |                             |                           |              |                           |                              |                      |                    |                                 |                     |                                |                          |              |                               |              |                               |                 |                        |                 |          |                   |            |             |                  |             |                  |
| Weight                        | 0.210 kg   |                             |                           |              |                           |                              |                      |                    |                                 |                     |                                |                          |              |                               |              |                               |                 |                        |                 |          |                   |            |             |                  |             |                  |
| Data sheet                    | A6V10245474  |                             |                           |              |                           |                              |                      |                    |                                 |                     |                                |                          |              |                               |              |                               |                 |                        |                 |          |                   |            |             |                  |             |                  |
| GM730                         | <b>Seismic detector with advanced functionality for steel applications</b><br><br>Programmable seismic detector for round-the-clock monitoring of safes, night deposits and automatic cash dispensers (steel applications) against break in attempts with mechanical and thermal attack tools. Successor of GM730 with order no. A5Q00005841<br><br><br><br><table><tr><td>Coverage area for all tools</td><td>4 m / 50 m<sup>2</sup></td></tr><tr><td>Power supply</td><td>8 - 16 VDC (12 V nominal)</td></tr><tr><td>Current consumption (12 VDC)</td><td>3 mA (5 mA on alarm)</td></tr><tr><td>Alarm output relay</td><td>Opens on alarm, 30 VDC / 100 mA</td></tr><tr><td>DIP switch settings</td><td>3 levels +1 level programmable</td></tr><tr><td>Via SensTool PC software</td><td>Programmable</td></tr><tr><td>Operating temperature</td><td>-40 ~ +70 °C</td></tr><tr><td>Housing protection (EN 60529)</td><td>IP43</td></tr><tr><td>Dimensions (W x H x D)</td><td>89 x 89 x 22 mm</td></tr><tr><td>Approval</td><td>VdS, UL, CCC, CSA</td></tr><tr><td>Weight</td><td>0.210 kg</td></tr><tr><td>Data sheet</td><td>A6V10245476</td></tr></table> | Coverage area for all tools | 4 m / 50 m <sup>2</sup>   | Power supply | 8 - 16 VDC (12 V nominal) | Current consumption (12 VDC) | 3 mA (5 mA on alarm) | Alarm output relay | Opens on alarm, 30 VDC / 100 mA | DIP switch settings | 3 levels +1 level programmable | Via SensTool PC software | Programmable | Operating temperature         | -40 ~ +70 °C | Housing protection (EN 60529) | IP43            | Dimensions (W x H x D) | 89 x 89 x 22 mm | Approval | VdS, UL, CCC, CSA | Weight     | 0.210 kg    | Data sheet       | A6V10245476 | S54534-F107-A100 |
| Coverage area for all tools   | 4 m / 50 m <sup>2</sup>  |                             |                           |              |                           |                              |                      |                    |                                 |                     |                                |                          |              |                               |              |                               |                 |                        |                 |          |                   |            |             |                  |             |                  |
| Power supply                  | 8 - 16 VDC (12 V nominal)  |                             |                           |              |                           |                              |                      |                    |                                 |                     |                                |                          |              |                               |              |                               |                 |                        |                 |          |                   |            |             |                  |             |                  |
| Current consumption (12 VDC)  | 3 mA (5 mA on alarm)   |                             |                           |              |                           |                              |                      |                    |                                 |                     |                                |                          |              |                               |              |                               |                 |                        |                 |          |                   |            |             |                  |             |                  |
| Alarm output relay            | Opens on alarm, 30 VDC / 100 mA  |                             |                           |              |                           |                              |                      |                    |                                 |                     |                                |                          |              |                               |              |                               |                 |                        |                 |          |                   |            |             |                  |             |                  |
| DIP switch settings           | 3 levels +1 level programmable   |                             |                           |              |                           |                              |                      |                    |                                 |                     |                                |                          |              |                               |              |                               |                 |                        |                 |          |                   |            |             |                  |             |                  |
| Via SensTool PC software      | Programmable   |                             |                           |              |                           |                              |                      |                    |                                 |                     |                                |                          |              |                               |              |                               |                 |                        |                 |          |                   |            |             |                  |             |                  |
| Operating temperature         | -40 ~ +70 °C   |                             |                           |              |                           |                              |                      |                    |                                 |                     |                                |                          |              |                               |              |                               |                 |                        |                 |          |                   |            |             |                  |             |                  |
| Housing protection (EN 60529) | IP43   |                             |                           |              |                           |                              |                      |                    |                                 |                     |                                |                          |              |                               |              |                               |                 |                        |                 |          |                   |            |             |                  |             |                  |
| Dimensions (W x H x D)        | 89 x 89 x 22 mm  |                             |                           |              |                           |                              |                      |                    |                                 |                     |                                |                          |              |                               |              |                               |                 |                        |                 |          |                   |            |             |                  |             |                  |
| Approval                      | VdS, UL, CCC, CSA  |                             |                           |              |                           |                              |                      |                    |                                 |                     |                                |                          |              |                               |              |                               |                 |                        |                 |          |                   |            |             |                  |             |                  |
| Weight                        | 0.210 kg   |                             |                           |              |                           |                              |                      |                    |                                 |                     |                                |                          |              |                               |              |                               |                 |                        |                 |          |                   |            |             |                  |             |                  |
| Data sheet                    | A6V10245476  |                             |                           |              |                           |                              |                      |                    |                                 |                     |                                |                          |              |                               |              |                               |                 |                        |                 |          |                   |            |             |                  |             |                  |



Intrusion Detectors  
**Seismic Detectors**  
**Seismic Detectors**



Type

Order No.

GM760

**Seismic detector for multi-purpose use**

S54534-F108-A100



Programmable seismic detector for universal application use. Dedicated for round-the-clock monitoring of safes, cash dispensers, night deposits, strong rooms and modular vaults made of steel, concrete and armoured or synthetic composites against break-in attempts with mechanical and thermal attack tools. Specially designed for best detection performance and maximum immunity to environmental influences. Successor of GM760 with order no. A5Q00005840.

|                               |                                 |
|-------------------------------|---------------------------------|
| Coverage area for all tools   | 5 m / 80 m <sup>2</sup>         |
| Power supply                  | 8 - 16 VDC (12 V nominal)       |
| Current consumption (12 VDC)  | 3 mA (5 mA on alarm)            |
| Alarm output relay            | Opens on alarm, 30 VDC / 100 mA |
| DIP switch settings           | 3 levels + 1 level programmable |
| Via SensTool PC software      | Programmable                    |
| Operating temperature         | -40 ~ +70 °C                    |
| Housing protection (EN 60529) | IP43                            |
| Dimensions (W x H x D)        | 89 x 89 x 22 mm                 |
| Approval                      | UL, CCC, CSA                    |
| Weight                        | 0.210 kg                        |
| Data sheet                    | A6V10245479                     |

GM775

**Seismic detector for intelligent multi-purpose use**

S54534-F109-A100




Programmable universal application for round-the-clock monitoring of safes, cash dispensers, night deposits, strong rooms and modular vaults made of steel, concrete and armoured or synthetic composites against break-in attempts with mechanical and thermal attack tools. Specially designed for best detection performance and maximum immunity to environmental influences. The GM775 has an electronic alarm output to connect to the alarm indicator system GMYA7. Successor of GM770 with order no. A5Q00005839.

|                               |                                 |
|-------------------------------|---------------------------------|
| Coverage area for all tools   | 5 m / 80 m <sup>2</sup>         |
| Power supply                  | 8 - 16 VDC (12 V nominal)       |
| Current consumption (12 VDC)  | 3 mA (5 mA on alarm)            |
| Alarm output relay            | Opens on alarm, 30 VDC / 100 mA |
| DIP switch settings           | 3 levels + 1 level programmable |
| Via SensTool PC software      | Programmable                    |
| Operating temperature         | -40 ~ +70 °C                    |
| Housing protection (EN 60529) | IP43                            |
| Dimensions (W x H x D)        | 89 x 89 x 22 mm                 |
| Approval                      | VdS                             |
| Weight                        | 0.210 kg                        |
| Data sheet                    | A6V10245481                     |

## Intrusion Detectors


### Seismic Detectors

### Seismic Detectors

| Type   | Order No.   |                               |                         |              |                           |                              |                      |                        |        |                     |   |                       |              |                               |      |          |     |                        |                   |        |          |
|--|---|-------------------------------|-------------------------|--------------|---------------------------|------------------------------|----------------------|------------------------|--------|---------------------|---|-----------------------|--------------|-------------------------------|------|----------|-----|------------------------|-------------------|--------|----------|
| <b>GM570LSN</b>  | <b>BPZ:5395000001</b>   |                               |                         |              |                           |                              |                      |                        |        |                     |   |                       |              |                               |      |          |     |                        |                   |        |          |
|   | <p><b>Seismic detector for LSN, VdS approval</b></p> <p>The seismic detector GM570LSN provides reliable protection for safes, armoured safes and strongrooms against attack with explosives and break-in attempts with any of the known tools, such as diamond-head drills, hydraulic pressure tools and oxygen lances. The detector is suited for local security networks (LSN) with gateway SAG61.</p> <table><tr><td>Coverage area for all tools</td><td>4 m / 50 m<sup>2</sup></td></tr><tr><td>Power supply</td><td>8 - 16 VDC (12 V nominal)</td></tr><tr><td>Current consumption (12 VDC)</td><td>1.5 mA / max. 1.6 mA</td></tr><tr><td>Function test duration</td><td>&lt; 5 s</td></tr><tr><td>DIP switch settings</td><td>6 levels + 1 free programmable level via LSN control unit</td></tr><tr><td>Operating temperature</td><td>-40 ~ +70 °C</td></tr><tr><td>Housing protection (EN 60529)</td><td>IP43</td></tr><tr><td>Approval</td><td>VdS</td></tr><tr><td>Dimensions (W x H x D)</td><td>89 x 89 x 39.5 mm</td></tr><tr><td>Weight</td><td>0.345 kg</td></tr></table> | Coverage area for all tools   | 4 m / 50 m <sup>2</sup> | Power supply | 8 - 16 VDC (12 V nominal) | Current consumption (12 VDC) | 1.5 mA / max. 1.6 mA | Function test duration | < 5 s  | DIP switch settings | 6 levels + 1 free programmable level via LSN control unit | Operating temperature | -40 ~ +70 °C | Housing protection (EN 60529) | IP43 | Approval | VdS | Dimensions (W x H x D) | 89 x 89 x 39.5 mm | Weight | 0.345 kg |
| Coverage area for all tools  | 4 m / 50 m <sup>2</sup>   |                               |                         |              |                           |                              |                      |                        |        |                     |   |                       |              |                               |      |          |     |                        |                   |        |          |
| Power supply   | 8 - 16 VDC (12 V nominal)   |                               |                         |              |                           |                              |                      |                        |        |                     |   |                       |              |                               |      |          |     |                        |                   |        |          |
| Current consumption (12 VDC)   | 1.5 mA / max. 1.6 mA  |                               |                         |              |                           |                              |                      |                        |        |                     |   |                       |              |                               |      |          |     |                        |                   |        |          |
| Function test duration   | < 5 s   |                               |                         |              |                           |                              |                      |                        |        |                     |   |                       |              |                               |      |          |     |                        |                   |        |          |
| DIP switch settings  | 6 levels + 1 free programmable level via LSN control unit   |                               |                         |              |                           |                              |                      |                        |        |                     |   |                       |              |                               |      |          |     |                        |                   |        |          |
| Operating temperature  | -40 ~ +70 °C  |                               |                         |              |                           |                              |                      |                        |        |                     |   |                       |              |                               |      |          |     |                        |                   |        |          |
| Housing protection (EN 60529)  | IP43  |                               |                         |              |                           |                              |                      |                        |        |                     |   |                       |              |                               |      |          |     |                        |                   |        |          |
| Approval   | VdS   |                               |                         |              |                           |                              |                      |                        |        |                     |   |                       |              |                               |      |          |     |                        |                   |        |          |
| Dimensions (W x H x D)   | 89 x 89 x 39.5 mm   |                               |                         |              |                           |                              |                      |                        |        |                     |   |                       |              |                               |      |          |     |                        |                   |        |          |
| Weight   | 0.345 kg  |                               |                         |              |                           |                              |                      |                        |        |                     |   |                       |              |                               |      |          |     |                        |                   |        |          |
| <b>GM580LSN</b>  | <b>A5Q00001640</b>  |                               |                         |              |                           |                              |                      |                        |        |                     |   |                       |              |                               |      |          |     |                        |                   |        |          |
|  | <p><b>Watertight seismic detector, VdS approval</b></p> <p>The GM580LSN is the only watertight seismic detector for the 24h surveillance of strong rooms and doors, safes, night safes, ATMs. Due to its building principle and the watertight screw and plug connection, the detector can easily be installed. The optical contact facilitates remote surveillance and makes your system even safer without requiring manual on-site control.</p> <table><tr><td>Housing protection (EN 60529)</td><td>IP67</td></tr><tr><td>Approval</td><td>VdS</td></tr><tr><td>Weight</td><td>0.460 kg</td></tr><tr><td>Data sheet</td><td>007640</td></tr></table>  | Housing protection (EN 60529) | IP67                    | Approval     | VdS                       | Weight                       | 0.460 kg             | Data sheet             | 007640 |                     |   |                       |              |                               |      |          |     |                        |                   |        |          |
| Housing protection (EN 60529)  | IP67  |                               |                         |              |                           |                              |                      |                        |        |                     |   |                       |              |                               |      |          |     |                        |                   |        |          |
| Approval   | VdS   |                               |                         |              |                           |                              |                      |                        |        |                     |   |                       |              |                               |      |          |     |                        |                   |        |          |
| Weight   | 0.460 kg  |                               |                         |              |                           |                              |                      |                        |        |                     |   |                       |              |                               |      |          |     |                        |                   |        |          |
| Data sheet   | 007640  |                               |                         |              |                           |                              |                      |                        |        |                     |   |                       |              |                               |      |          |     |                        |                   |        |          |

Intrusion Detectors  
Seismic Detectors  
Accessories Overview







|             |                                |                  | GM710   | GM730   | GM760   | GM775   | GM570LSN  | GM580LSN  |
|-------------|--------------------------------|------------------|---|---|---|---|---|---|
|             |                                |                  |  |  |  |  |  |  |
| Type        | Description                    | Order no.        |   |   |   |   |   |   |
| GMXS5       | Remote test transmitter        | BPZ:5627000001   | ■   | ■   | ■   | ■   | ■   | ■   |
| GMXS1       | Test transmitter               | BPZ:4202370001   | ■   | ■   | ■   | ■   | ■   | included  |
| GMXP0       | Mounting plate                 | BPZ:2772730001   | ■   | ■   | ■   | ■   | ■   | ■   |
| GMXWG0H     | Watertight housing             | BPZ:3720260001   | ■   | ■   | ■   | ■   | ■   |   |
| GMXP3       | Swivel plate                   | BPZ:3470190001   | ■   | ■   | ■   | ■   | ■   | ■   |
| GMXP3Z      | Swivel plate                   | BPZ:5712410001   | ■   | ■   | ■   | ■   | ■   | ■   |
| Spacer/2 mm | Spacer/2 mm for GMXP3          | BPZ:3506110001   | ■   | ■   | ■   | ■   | ■   | ■   |
| Spacer/2 mm | Spacer/4 mm for GMXP3          | BPZ:3506240001   | ■   | ■   | ■   | ■   | ■   | ■   |
| GMAS6       | Fixing device                  | BPZ:4886060001   | ■   | ■   | ■   | ■   | ■   | ■   |
| GMXW0H      | Wall recess box                | BPZ:2771210001   |   |   | ■   | ■   | ■   | ■   |
| GMXB0       | Floor box                      | BPZ:2772020001   |   |   | ■   | ■   | ■   | ■   |
| GMSW7       | SensTool-SW                    | A5Q00006246      |   | ■   | ■   | ■   |   |   |
| GMXD7       | Drilling protection (10 pcs)   | A5Q00006245      |   | ■   | ■   | ■   |   |   |
| GMYA7-AS    | Remote test system for seismic | S54534-F101-A100 |   |   |   | ■   |   |   |
| GMYA7-A     | Alarm indicator                | S54534-F102-A100 |   |   |   | ■   |   |   |

# Intrusion Detectors





## Seismic Detectors

### Accessories

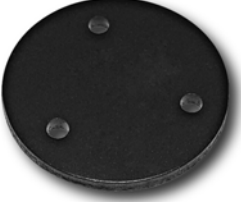



| Type   | Order No.  |                           |                              |  |                               |                                 |            |                            |                       |             |                               |      |                        |                   |          |     |        |          |            |        |  |
|--|--|---------------------------|------------------------------|--|-------------------------------|---------------------------------|------------|----------------------------|-----------------------|-------------|-------------------------------|------|------------------------|-------------------|----------|-----|--------|----------|------------|--------|--|
| <b>GMXS5</b><br>  | <b>BPZ:562700001</b>   |                           |                              |  |                               |                                 |            |                            |                       |             |                               |      |                        |                   |          |     |        |          |            |        |  |
| <p><b>External test transmitter for seismic detectors</b></p> <p>The test transmitter GMXS5 allows the full functional test of all seismic detectors of the GM7xx-family. It is mounted separately from the seismic detector onto the monitored object. Thus the complete assembly arrangement is tested for correct functioning.</p> <table border="0"> <tr> <td>Power supply</td> <td>8 - 16 VDC (12 V nominal)</td> </tr> <tr> <td>Current consumption (12 VDC)</td> <td>4 mA (12 mA with "test active")</td> </tr> <tr> <td>Tamper output semicond. relay</td> <td>Opens on alarm, 30 VDC / 100 mA</td> </tr> <tr> <td>Test input</td> <td>Low &lt; 1.5 V / high &gt; 3.5 V</td> </tr> <tr> <td>Operating temperature</td> <td>-40 ~ +70°C</td> </tr> <tr> <td>Housing protection (EN 60529)</td> <td>IP43</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>89 x 89 x 39.5 mm</td> </tr> <tr> <td>Approval</td> <td>VdS</td> </tr> <tr> <td>Weight</td> <td>0.370 kg</td> </tr> <tr> <td>Data sheet</td> <td>008127</td> </tr> </table> | Power supply   | 8 - 16 VDC (12 V nominal) | Current consumption (12 VDC) | 4 mA (12 mA with "test active")                                    | Tamper output semicond. relay | Opens on alarm, 30 VDC / 100 mA | Test input | Low < 1.5 V / high > 3.5 V | Operating temperature | -40 ~ +70°C | Housing protection (EN 60529) | IP43 | Dimensions (W x H x D) | 89 x 89 x 39.5 mm | Approval | VdS | Weight | 0.370 kg | Data sheet | 008127 |  |
| Power supply   | 8 - 16 VDC (12 V nominal)  |                           |                              |  |                               |                                 |            |                            |                       |             |                               |      |                        |                   |          |     |        |          |            |        |  |
| Current consumption (12 VDC)   | 4 mA (12 mA with "test active")                                    |                           |                              |  |                               |                                 |            |                            |                       |             |                               |      |                        |                   |          |     |        |          |            |        |  |
| Tamper output semicond. relay  | Opens on alarm, 30 VDC / 100 mA                                    |                           |                              |  |                               |                                 |            |                            |                       |             |                               |      |                        |                   |          |     |        |          |            |        |  |
| Test input   | Low < 1.5 V / high > 3.5 V   |                           |                              |  |                               |                                 |            |                            |                       |             |                               |      |                        |                   |          |     |        |          |            |        |  |
| Operating temperature  | -40 ~ +70°C  |                           |                              |  |                               |                                 |            |                            |                       |             |                               |      |                        |                   |          |     |        |          |            |        |  |
| Housing protection (EN 60529)  | IP43   |                           |                              |  |                               |                                 |            |                            |                       |             |                               |      |                        |                   |          |     |        |          |            |        |  |
| Dimensions (W x H x D)   | 89 x 89 x 39.5 mm  |                           |                              |  |                               |                                 |            |                            |                       |             |                               |      |                        |                   |          |     |        |          |            |        |  |
| Approval   | VdS  |                           |                              |  |                               |                                 |            |                            |                       |             |                               |      |                        |                   |          |     |        |          |            |        |  |
| Weight   | 0.370 kg   |                           |                              |  |                               |                                 |            |                            |                       |             |                               |      |                        |                   |          |     |        |          |            |        |  |
| Data sheet   | 008127   |                           |                              |  |                               |                                 |            |                            |                       |             |                               |      |                        |                   |          |     |        |          |            |        |  |
| <b>GMXS1</b><br>   | <b>BPZ:4202370001</b>  |                           |                              |  |                               |                                 |            |                            |                       |             |                               |      |                        |                   |          |     |        |          |            |        |  |
| <p><b>Test transmitter for GM730/760/775/570LSN</b></p> <p>The GMXS1 is installed in the detector and used for function test of the seismic detector it is installed in.</p> <table border="0"> <tr> <td>Weight</td> <td>0.020 kg</td> </tr> </table>  | Weight   | 0.020 kg                  |                              |  |                               |                                 |            |                            |                       |             |                               |      |                        |                   |          |     |        |          |            |        |  |
| Weight   | 0.020 kg   |                           |                              |  |                               |                                 |            |                            |                       |             |                               |      |                        |                   |          |     |        |          |            |        |  |
| <b>GMYA7-AS</b><br>   | <b>S54534-F101-A100</b>  |                           |                              |  |                               |                                 |            |                            |                       |             |                               |      |                        |                   |          |     |        |          |            |        |  |
| <p><b>Alarm indication system with key module and indicator module</b></p> <p>The GMYA-AS alarm indication system can test the function of 8 seismic detectors (up to 56 detectors with a maximum of 7 indicator panels) and indicates their alarms (test, tamper and real alarms). Can be used only with the seismic detector GM775 and in combination with the GMXS1. Unauthorized use is prevented with the key module. Only the authorized user can use the system with the key.</p> <table border="0"> <tr> <td>Approval</td> <td>VdS Class C</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>Indicator module: 112 x 92 x 31 mm<br/>Key module: 112 x 92 x 37 mm</td> </tr> </table>   | Approval   | VdS Class C               | Dimensions (W x H x D)       | Indicator module: 112 x 92 x 31 mm<br>Key module: 112 x 92 x 37 mm |                               |                                 |            |                            |                       |             |                               |      |                        |                   |          |     |        |          |            |        |  |
| Approval   | VdS Class C  |                           |                              |  |                               |                                 |            |                            |                       |             |                               |      |                        |                   |          |     |        |          |            |        |  |
| Dimensions (W x H x D)   | Indicator module: 112 x 92 x 31 mm<br>Key module: 112 x 92 x 37 mm |                           |                              |  |                               |                                 |            |                            |                       |             |                               |      |                        |                   |          |     |        |          |            |        |  |
| <b>GMYA7-A</b><br>  | <b>S54534-F102-A100</b>  |                           |                              |  |                               |                                 |            |                            |                       |             |                               |      |                        |                   |          |     |        |          |            |        |  |
| <p><b>Alarm indicator module</b></p> <p>The alarm indicator module GMYA7-A enables the expansion of the alarm indication system GMYA7-AS with additional indicator modules. In total a system supports 7 indication modules. Each indication module connects 8 detectors.</p> <table border="0"> <tr> <td>Current consumption</td> <td>Max. 25 mA</td> </tr> <tr> <td>Approval</td> <td>VdS Class C</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>112 x 92 x 31 mm</td> </tr> </table>   | Current consumption  | Max. 25 mA                | Approval                     | VdS Class C  | Dimensions (W x H x D)        | 112 x 92 x 31 mm                |            |                            |                       |             |                               |      |                        |                   |          |     |        |          |            |        |  |
| Current consumption  | Max. 25 mA   |                           |                              |  |                               |                                 |            |                            |                       |             |                               |      |                        |                   |          |     |        |          |            |        |  |
| Approval   | VdS Class C  |                           |                              |  |                               |                                 |            |                            |                       |             |                               |      |                        |                   |          |     |        |          |            |        |  |
| Dimensions (W x H x D)   | 112 x 92 x 31 mm   |                           |                              |  |                               |                                 |            |                            |                       |             |                               |      |                        |                   |          |     |        |          |            |        |  |

Intrusion Detectors  
Seismic Detectors  
Accessories



| Type   | Order No.             |
|--|-----------------------|
| <p><b>GMSW7</b></p> <p><b>SensTool interface and software for seismic detectors GM730/760/775</b></p> <p>With the SensTool software operating parameters can individually be set. In addition, actual information such as the sensor and integration signal are visualized. The alarm event memory of the GM760 and GM775 can be retrieved.</p>  <p>Weight 0.128 kg</p>   | <p>A5Q00006246</p>    |
| <p><b>GMXP0</b></p> <p><b>Mounting plate for seismic detectors</b></p> <p>The GMXP0 mounting plate has to be used for seismic detector installations on concrete at all times. Installation with the GMXP0 on steel are recommended especially when the steel surface is uneven.</p>  <p>Weight 0.270 kg</p>   | <p>BPZ:2772730001</p> |
| <p><b>GMXP3</b></p> <p><b>Swivel plate for seismic detectors</b></p> <p>The swivel plate GMXP3 is used to protect safe and strong room doors with exposed keyholes with a day and night mode position. An alarm is triggered in case of unauthorized opening in active mode (night mode). Compatible with all GM7xx (with included adaptor plate) and GM5xx detectors.</p>  <p>Weight 0.525 kg</p>  | <p>BPZ:3470190001</p> |
| <p><b>GMXP3Z</b></p> <p><b>Swivel plate for seismic detectors</b></p> <p>The swivel plate GMXP3Z is used to protect safe and strong room doors with exposed keyholes with a day and night mode position. An alarm is triggered in case of unauthorized opening in active mode (night mode). Compatible with all GM7xx (with included adaptor plate) and GM5xx detectors. The Z shaped swivel arm allows installations even on larger locks.</p>  <p>Weight 0.700 kg</p> | <p>5712410001</p>     |

## Intrusion Detectors Seismic Detectors Accessories

| Type  |   | Order No.      |
|---|---|----------------|
| SPACER/2 mm   | <p><b>2 mm spacer plate for GMXP3/ GMXP3Z</b></p> <p>Spacer for gap between keyhole and GMXP3 / GMXP3Z flange.</p>  | BPZ:3506110001 |
|    | <p>Weight 0.010 kg</p>  |                |
| SPACER/4 mm   | <p><b>4 mm spacer plate for GMXP3/GMXP3Z</b></p> <p>Spacer for gap between keyhole and GMXP3/GMXP3Z flange.</p>   | BPZ:3506240001 |
|    | <p>Weight 0.020 kg</p>  |                |
| GMAS6   | <p><b>Keyhole protection fixing device for seismic detectors</b></p> <p>The GMAS6 keyhole protection fixing device is used together with a sensitive detector to monitor safes and strong rooms against break-in attempts and additionally to detect unauthorized opening respectively accessing a keyhole when the system is activated. When the system is armed, the monitoring switch built into the detector plate is closed. It opens and actuates an alarm immediately when the detector is raised from the door plate. During working hours the detector plate is hung on the quiescent plate.</p> | BPZ:4886060001 |
|  |   |                |
| GMXB0   | <p><b>Floor box for seismic detectors</b></p> <p>The GMXB0 is designed for floor installations in concrete.</p>   | BPZ:2772020001 |
|  | <p>Max. weight support 1,000 kg</p> <p>Weight 2.085 kg</p>  |                |

**Intrusion Detectors  
Seismic Detectors  
Accessories**



Type

Order No.

GMXW0

**Wall recess box with cover for seismic detectors**

The GMXW0 is designed for wall and ceiling installations in concrete.

Weight 1.160 kg



BPZ:2771210001

GMXWG0H

**Watertight housing for seismic detectors**

With the watertight housing GMXWG0H seismic detectors are protected from environmental influences such as water and dust. The housing can be surface or recess mounted on walls, ceilings and floors both inside or outside buildings.

Weight 1.010 kg



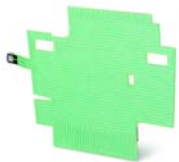
BPZ:3720260001

GMXD7

**Anti-drilling foil for GM730, GM760 and GM775**

The GMXD7 can be fitted into the detector's housing as an additional tamper protection in order to detect drill attacks on the detector itself when exposed to attack attempts.

Weight 0.010 kg



A5Q00006245

GMXP3-A

**Adaptor plate for GMXP3/GMXP3Z**

Adaptor plate for the exchange of a GM5xx by a GM7xx on an existing swivel plate (installation to support compatibility).



S54534-F105-A100

4

# Intrunet E-Line detectors

The fastest installation time ...



... with top performance Fresnel optics.





### Other Intrunet detectors – for ultimate security with maximum coverage



The range of complementary detectors from Siemens offers the final touch to any modern security system: from door and window contacts to silent alarming devices, no area will be left un-monitored.

- Acoustic glass break detectors with operating radius up to 8.5 m
- Mechanical door and window contacts for tighter periphery surveillance
- Showcase surveillance detectors
- Silent alarming with foot rails and hold-up alarm devices
- Optical smoke detector for use in stand-alone or networked installations

# Intrusion Detectors

## Other Detectors

### Acoustic Glass Break Detectors

| Type  | Order No.             |            |                     |               |                             |                 |                        |           |       |                   |        |       |                       |              |        |          |            |        |  |
|---|-----------------------|------------|---------------------|---------------|-----------------------------|-----------------|------------------------|-----------|-------|-------------------|--------|-------|-----------------------|--------------|--------|----------|------------|--------|--|
| <b>AGB600</b><br><br>  | <b>A5Q00001591</b>    |            |                     |               |                             |                 |                        |           |       |                   |        |       |                       |              |        |          |            |        |  |
| <p><b>Audio glass break detector</b></p> <p>Versatility of application is ensured by the safe and reliable detection of glass breakage occurring on objects both small and large as well as on single or multiple glazed objects fitted with simple window glass.</p> <table border="0"> <tr> <td>Supply voltage</td> <td>8 ~ 16 VDC</td> </tr> <tr> <td>Current consumption</td> <td>3.2 mA - 8 mA</td> </tr> <tr> <td>Alarm output tamper contact</td> <td>30 VDC / 100 mA</td> </tr> <tr> <td>Sensitivity adjustment</td> <td>4 m / 8 m</td> </tr> <tr> <td>Range</td> <td>Max. 8.5 m radius</td> </tr> <tr> <td>Colour</td> <td>White</td> </tr> <tr> <td>Operating temperature</td> <td>-10 ~ +55 °C</td> </tr> <tr> <td>Weight</td> <td>0.150 kg</td> </tr> <tr> <td>Data sheet</td> <td>007389</td> </tr> </table> | Supply voltage        | 8 ~ 16 VDC | Current consumption | 3.2 mA - 8 mA | Alarm output tamper contact | 30 VDC / 100 mA | Sensitivity adjustment | 4 m / 8 m | Range | Max. 8.5 m radius | Colour | White | Operating temperature | -10 ~ +55 °C | Weight | 0.150 kg | Data sheet | 007389 |  |
| Supply voltage  | 8 ~ 16 VDC            |            |                     |               |                             |                 |                        |           |       |                   |        |       |                       |              |        |          |            |        |  |
| Current consumption   | 3.2 mA - 8 mA         |            |                     |               |                             |                 |                        |           |       |                   |        |       |                       |              |        |          |            |        |  |
| Alarm output tamper contact   | 30 VDC / 100 mA       |            |                     |               |                             |                 |                        |           |       |                   |        |       |                       |              |        |          |            |        |  |
| Sensitivity adjustment  | 4 m / 8 m             |            |                     |               |                             |                 |                        |           |       |                   |        |       |                       |              |        |          |            |        |  |
| Range   | Max. 8.5 m radius     |            |                     |               |                             |                 |                        |           |       |                   |        |       |                       |              |        |          |            |        |  |
| Colour  | White                 |            |                     |               |                             |                 |                        |           |       |                   |        |       |                       |              |        |          |            |        |  |
| Operating temperature   | -10 ~ +55 °C          |            |                     |               |                             |                 |                        |           |       |                   |        |       |                       |              |        |          |            |        |  |
| Weight  | 0.150 kg              |            |                     |               |                             |                 |                        |           |       |                   |        |       |                       |              |        |          |            |        |  |
| Data sheet  | 007389                |            |                     |               |                             |                 |                        |           |       |                   |        |       |                       |              |        |          |            |        |  |
| <b>GT2</b><br><br>  | <b>BPZ:5074190001</b> |            |                     |               |                             |                 |                        |           |       |                   |        |       |                       |              |        |          |            |        |  |
| <p><b>Test unit for AGB600 and IGBW6</b></p> <p>After a location has been selected, the GT2 test unit can be used to check the AGB600 and the IGBW6-10 detector for correct acoustic coupling to the glass surfaces to be protected, prior to permanent installation.</p> <table border="0"> <tr> <td>Weight</td> <td>0.251 kg</td> </tr> </table>  | Weight                | 0.251 kg   |                     |               |                             |                 |                        |           |       |                   |        |       |                       |              |        |          |            |        |  |
| Weight  | 0.251 kg              |            |                     |               |                             |                 |                        |           |       |                   |        |       |                       |              |        |          |            |        |  |

Intrusion Detectors  
Other Detectors  
Mechanical Contacts



Type

Order No.

TKU..

**Surveillance contact**

The TKU.. is for front or side mounting on doors, windows, safes, garages etc. It can also be used as sabotage protection for equipment in security systems; e.g. control units, electronic detectors etc.



Single pole changeover contact:  
Switch power rating > 25 W  
Current > 1 A  
Voltage Low voltage  
Actuating pressure 400 g max.  
Overtravel 4 ~ 7 mm, depending on changeover gap  
Ambient temperature range -20 ~ +50 °C  
Data sheet 008126

TKU..

TKU2

**Surveillance contact**

See TKU.. for technical overview and note the additional / other specifications:

The TKU2 is for front or side mounting on doors, windows, safes, garages etc. It can also be used as sabotage protection for equipment in security systems; e.g. control units, electronic detectors etc.

Weight 0.019 kg

BPZ:2305080001

TKU3

**Surveillance contact with special locking mechanism**

See TKU.. for technical overview and note the additional / other specifications:

The TKU3 can be additionally be used on skylight or swivel windows with special locking mechanisms.

Weight 0.029 kg



BPZ:2307860001

TKU4

**Surveillance contact equipped with a special threaded plate**

See TKU.. for technical overview and note the additional / other specifications:


The TKU4 is equipped with a special threaded plate for mounting directly on the lock plate i.e. in the lock bolt opening in the door frame.

Weight 0.033 kg



BPZ:2307990001

Intrusion Detectors  
Other Detectors  
Mechanical Contacts

| Type  | Order No.      |
|---|----------------|
| TKU5  | BPZ:2442770001 |
|  |                |
| <b>Surveillance contact with protective spring</b>                                |                |
| See TKU.. for technical overview and note the additional / other specifications:  |                |
| The TKU5 is equipped with a protective spring.                                    |                |
| Weight  | 0.037 kg       |

Intrusion Detectors  
Other Detectors  
Foot Rails



Type

Order No.

FK32

**Hold-up foot rail**



The unobtrusive actuation of the hold-up foot rail FK32 makes it suitable for releasing alarm, triggering surveillance cameras and many other switching functions. The hold-up foot rail can be mounted on bank or shop counters, desks and similar applications.

Weight 0.632 kg  
Data sheet 008125

BPZ:2305530001

FKL3

**L-bracket for wall mounting**



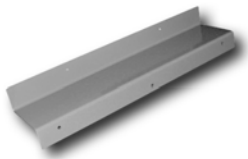
The L-bracket FKL3 is used for wall mounting.

Weight 1.795 kg

BPZ:2446170001

FKZ3

**Z-bracket for floor mounting**



The Z-bracket FKZ3 is used for mounting on the floor.

Weight 3.242 kg

BPZ:2446200001

5

## Intrusion Detectors

### Other Detectors

### Hold-up Alarm Devices

| Type  | Order No.   |
|---|---|
| AT11W   | BPZ:3889000001  |
|   | <p><b>Alarm button for surface mounting (white)</b></p> <p>For installation at the entrance to banks etc. in a desk or in a till. Elegant design which conforms with usual counters and yet is clearly recognizable as an alarm button. Alarm button with one break contact each for the connection of an alarm and tamper line. White paper disc printed with "ALARM", which must be punctured to actuate an alarm. It can be replaced without the use of tools. LED indicator. The alarm button is protected against unauthorized opening by cover switch. Surface-mounted and counter models. Two-section white-beige plastic housing.</p> <p>Contact load &lt; 30VDC / 25 mA<br/>Data sheet d651c</p> |
| AT12W   | BPZ:3889130001  |
|   | <p><b>Alarm button for recess mounting (white)</b></p> <p>For installation at the entrance to banks etc. in a desk or in a till. Elegant design which conforms with usual counters and yet is clearly recognizable as an alarm button. Alarm button with one break contact each for the connection of an alarm and tamper line. White paper disc printed with "ALARM", which must be punctured to actuate an alarm. Easy to replace. LED indicator. The alarm button is protected against unauthorized opening. Recess-mounted model for installations in standard recess boxes, diameter 55 mm and recess boxes UPR7. Universal plate included.</p> <p>Data sheet d651c</p>                              |
| FAT7  | BPZ:2937810001  |
|   | <p><b>Alarm button for installation in desks and counters</b></p> <p>For installation in desks, counters etc. Button with make and break contacts built into an anodized rosette. A 12 V or 24 V incandescent lamp can be inserted into the button to signal alarm actuation or acknowledgement. Replaceable with white paper disc printed with the word "ALARM".</p> <p>Contact load &lt; 24 VDC / 1 A<br/>Data sheet d651c</p>  |
| AT11W A/7   | BPZ:4198240001  |
| Replacement paper disc for AT11W/ AT12W (100 pcs) |   |
| FAT6 A/7  | BPZ:2566500001  |
| Replacement paper disc for FAT7 (10 pcs)          |   |

Intrusion Detectors  
 Other Detectors  
 Smoke Detectors



Type

Order No.

OP412

**Optical smoke detector**



The optical smoke detector OP412 is designed for small commercial and residential applications. As a battery powered detector it can be used autonomus or can be wire connected and networked with up to 40 detectors. The detector can be wire connected to an alarm panel or another alarm device with the included relay module.

S54539-F101-A100

|                                 |   |
|---------------------------------|---|
| Power supply                    | Battery: 3 x Alkaline 1.5 V; type: LR6; Size: AA; up to 5 years battery life time |
| Relay output, switching voltage | Max. 30 VDC / 42 V AC   |
| Relay output, switching current | Max. 1 ADC / 0.5 A AC   |
| Area coverage                   | 60 m <sup>2</sup>   |
| Network connections             | with up to 40 detectors   |
| Operation temperature           | 0 ~ +50 °C  |
| Storage temperature             | -20 ~ +60 °C  |
| Humidity (DIN 40040)            | < 85% r.h., non condensing  |
| Dimensions                      | 120 x 44 mm   |
| Weight                          | 0.159 kg  |
| Data sheet                      | A6V10234051   |

5

# Intrunet SI series

Scalability, modularity, functional customisation...



... everything modern security expects, and more.



# Intrusion Panels



## Intrunet SI series – for sophisticated security with a “plus”

The Intrunet™ SI series control systems are ideal for organisations looking to invest wisely in security. Modular and scalable, they form the heart of easy-to-operate, adaptable intrusion detection systems.

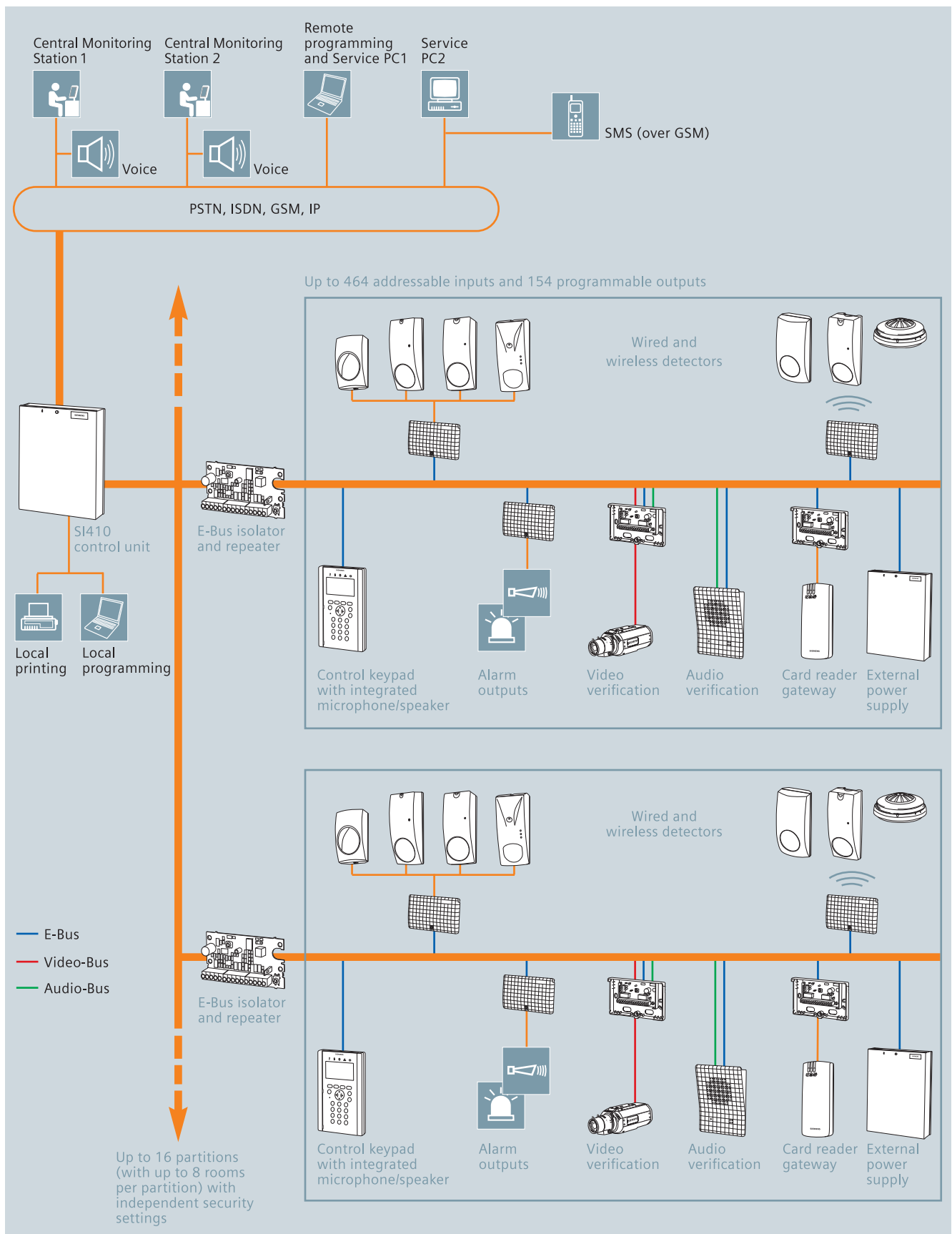
Easy to install and to use, wired or wireless, the family of Intrunet SI series control units uses a common programming software and can be configured to fit individual needs. A complete range of high-performance motion detectors offering the latest in intelligent signal analysis also combine to deliver early and reliable detection and reduced false alarms. And with remote programming and activation, the maintenance of the control units is equally easy ... for all round high performance and flexible security from Siemens.

- Future-proof and scalable security
- Superior detection reliability and false alarm immunity
- Sophisticated alarm verification
- Versatile alarm transmission paths
- High system integration capability

# Intrusion Panels

## SI Control Panels

### System Schematics

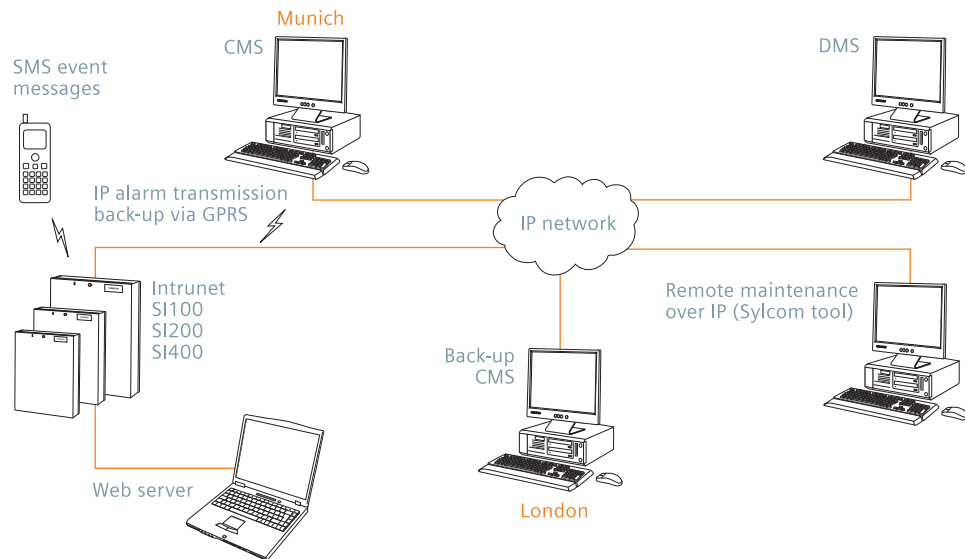




## Support for remote services

|                                 | Configuration and maintenance | Alarm management   |                    | Alert messages |            |
|---------------------------------|-------------------------------|--------------------|--------------------|----------------|------------|
| Communications (physical paths) | Sylcom*                       | Alarm transmission | Alarm verification | Voice          | SMS "PLUS" |
| PSTN                            | ■                             | ■                  | ■                  | ■              |            |
| ISDN                            | ■                             | ■                  | ■                  | ■              |            |
| IP "PLUS"                       | ■                             | ■                  |                    |                |            |
| GSM (GPRS) "PLUS"               |                               | ■                  |                    |                | ■          |

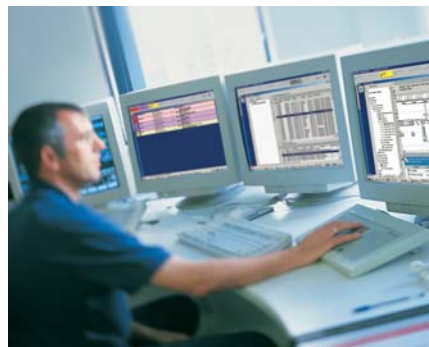
\*SI120/220: over IP or ISDN/PSTN



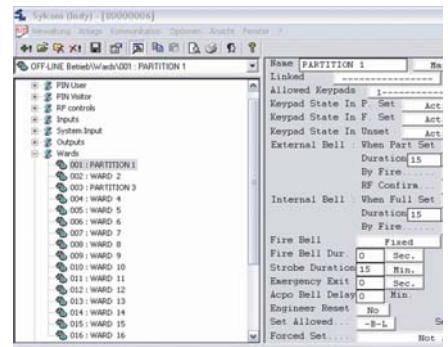
Intrunet SI series – scalable, reliable security



Seamless integration with Danger Management Systems



Remote or on-site configuration and operation



# Intrusion Panels

## SI Control Panels

### Product Overview

|  | SI series with "Plus" |        |         |         | Standard SI series |        |         |
|--|-----------------------|--------|---------|---------|--------------------|--------|---------|
|  | SI120                 | SI220  | SI410   | SI420   | SI120              | SI220  | SI410   |
| Inputs in control unit                         | 6                     | 8      | 16      | 24      | 6                  | 8      | 16      |
| Total inputs with extension SAT12/SMT12        | 22                    | 48     | 144     | 144     | 22                 | 48     | 144     |
| Total inputs with 4 E-Bus expander SAG91       |                       |        | 464     | 464     |                    |        | 464     |
| Outputs in control unit                        | 5                     | 8      | 11      | 15      | 5                  | 8      | 11      |
| Total outputs with extension SAT12/SMT12/SMT44 | 23                    | 49     | 114     | 114     | 23                 | 49     | 114     |
| Total outputs with E-Bus expander SAG91        |                       |        | 154     | 154     |                    |        | 154     |
| Partitions                                     | 2 + 1                 | 6      | 16      | 16      | 2 + 1              | 6      | 16      |
| Rooms per partition/total                      | 6 / 12                | 6 / 36 | 8 / 128 | 9 / 128 | 6 / 12             | 6 / 36 | 8 / 128 |
| 2 easy calendars for automatic set/unset       | ■                     |        |         |         | ■                  |        |         |
| 8 calendars with individual time slots         |                       | ■      |         |         |                    | ■      |         |
| 20 calendars with advanced functionality       |                       |        | ■       | ■       |                    |        | ■       |
| User/installer PIN's                           | 19 / 1                | 49 / 1 | 497 / 3 | 497 / 3 | 19 / 1             | 49 / 1 | 497 / 3 |
| Optional PSTN dialler SML51                    | ■                     | ■      | ■       | ■       | ■                  | ■      | ■       |
| Optional ISDN dialler SML61                    | ■                     | ■      | ■       | ■       | ■                  | ■      | ■       |
| Optional voice module SMV11                    | ■                     | ■      | ■       | ■       | ■                  | ■      | ■       |
| Optional IP-module SMN36                       |                       |        | ■       | ■       |                    |        | ■       |
| Optional IP-module SMN42                       | ■                     | ■      | ■       | ■       |                    |        |         |
| Optional IP/GSM-module SMN43                   | ■                     | ■      | ■       | ■       |                    |        |         |
| SMS via SMN43                                  | ■                     | ■      | ■       | ■       |                    |        |         |
| Additional power supplies SAP14/SAP20          | 2                     | 5      | 15      | 15      | 2                  | 5      | 15      |
| Keypads  | 3                     | 7      | 32      | 32      | 3                  | 7      | 32      |
| Keypad SAK41                                   | ■                     | ■      | ■       | ■       | ■                  | ■      | ■       |
| Keypad SAK51                                   | ■                     | ■      | ■       | ■       | ■                  | ■      | ■       |
| Keypad SAK52                                   | ■                     | ■      | ■       | ■       | ■                  | ■      | ■       |
| Keypad SAK53                                   | ■                     | ■      | ■       | ■       | ■                  | ■      | ■       |
| Keypad SAK84 incl. SAK9S1                      | ■                     | ■      | ■       | ■       |                    |        |         |
| Keypad SAK94 incl. SAK9S1/L1                   |                       |        | ■       | ■       |                    |        |         |
| Keypad SAK9S1                                  | ■                     | ■      | ■       | ■       |                    |        |         |
| Indication module SAK9L1                       | ■                     | ■      | ■       | ■       |                    |        |         |
| Card reader interface SMG71                    |                       |        | 30      | 30      |                    |        | 30      |
| Alarm verification zones WAC12/WAT21           | 6                     | 8      | 32      | 32      | 6                  | 8      | 32      |
| Audio verification WMA11                       | ■                     | ■      | ■       | ■       | ■                  | ■      | ■       |
| Video verification WMV12                       | ■                     | ■      | ■       | ■       | ■                  | ■      | ■       |
| Local video function                           | ■                     | ■      | ■       | ■       | ■                  | ■      | ■       |
| SiWay wireless gateway                         | 1                     | 3      | 4       | 4       | 1                  | 3      | 4       |
| Wireless inputs (takes away wired inputs)      | 12                    | 32     | 48      | 48      | 12                 | 32     | 48      |
| Wireless remote controls                       | 7                     | 21     | 28      | 28      | 7                  | 21     | 28      |

# Intrusion Panels

## SI Control Panels

### SI100



#### Type

#### Order No.

SI120..



#### Sintony® control panel 6-22 zones

Multimedia control panel to build-up an universal security system. The Sintony® 120 can be expanded from 6 to 22 inputs and is equipped with all the functions required to implement a high quality security system. Especially for residential and small commercial such as shops, bars, offices and more.

1.5 mm steel housing with tamper contact. Main board with power supply and transformer are integrated. In- and output are freely programmable.

|                                |   |
|--------------------------------|---|
| Supply voltage (typical)       | 230 VAC, ± 10%/-15% / 50 Hz   |
| Current consumption            | Max. 160 mA   |
| Battery                        | 12 VDC / 7.2 Ah   |
| Auxiliary power (nominal)      | 12 VDC / 0.8 A  |
| Number of on-board zones       | 6   |
| Max. number of hardwired zones | 22 (4 SAT12 or SMT12)   |
| Max. number of output modules  | 1 (SMT44)   |
| Max. number of wireless zones  | See installation instruction IEGW6-12                                 |
| Number of on-board open coll.  | 4 (max. 12 V / max. 150 mA / 30 R)                                    |
| Number of on-board relays      | 1 relay, single-pole, 24 V / 2 A (switching power)                    |
| Max. number of outputs         | 23  |
| Max. number of outputs         | 19  |
| Number of partitions           | 2 + 1 common  |
| Number of rooms per partition  | 6   |
| Event memory (engineer)        | 200   |
| Event memory (user)            | 20  |
| Number of keypads              | Max. 3  |
| Time function                  | 6 time schedule for auto set/unset per partition                      |
| Number of verification devices | Max. 6  |
| Video function                 | Local cyclical video/picture transmission                             |
| Telephone communicator         | Optional SML51 (PSTN) or SML61 (ISDN) Digital and Speech transmission |
| Interfaces                     | 1 RS232 for printer/PC  |
| Operating temperature          | 0 ~ +40 °C  |
| Dimensions (W x H x D)         | 266 x 334 x 75 mm   |
| Housing protection             | IP30  |
| Weight (without battery)       | 3.200 kg  |
| Data sheet                     | 009175, A6V10061890   |

SI120..

SI120CH

#### Sintony® control panel 6-22 zones Swiss German

See SI120.. for technical overview and note the additional / other specifications:

|                  |   |
|------------------|---|
| Language         | See software kit  |
| IP-Communication | Option SMN42 and SMN43 enable communication over IP and GSM |

BPZ:8009800001

## Intrusion Panels

### SI Control Panels

#### SI100

| Type       |  | Order No.      |
|------------|--|----------------|
| SI120FR    | <p><b>Sintony® control panel 6-22 zones French</b></p> <p>See SI120.. for technical overview and note the additional / other specifications:</p> <p>Language French</p> <p>IP-Communication Option SMN42 and SMN43 enable communication over IP and GSM</p>  | BPZ:8007150001 |
| SI120FR-NF | <p><b>Sintony® control panel 6-22 zones French NF</b></p> <p>See SI120.. for technical overview and note the additional / other specifications:</p> <p>Language French</p>   | BPZ:8007590001 |
| SI120IT    | <p><b>Sintony® control panel 6-22 zones Italian</b></p> <p>See SI120.. for technical overview and note the additional / other specifications:</p> <p>Language Italian</p>  | BPZ:8007160001 |
| SI120UK    | <p><b>Sintony® control panel 6-22 zones English</b></p> <p>See SI120.. for technical overview and note the additional / other specifications:</p> <p>Language English</p>  | A6E80115610    |
| SI121ES    | <p><b>Sintony® control panel 6-22 zones Spanish</b></p> <p>See SI120.. for technical overview and note the additional / other specifications:</p> <p>SI120 Panel with Spanish software + SML51 PSTN communicator</p> <p>Language Spanish</p> <p>IP-Communication Option SMN42 and SMN43 enable communication over IP and GSM</p> | BPZ:8007130001 |
| SLI120CHD  | <p><b>Panel software kit for Swiss German</b></p> <p>Language Swiss German</p> <p>IP-Communication Option SMN42 and SMN43 enable communication over IP and GSM</p>   | BPZ:8007490001 |
| SLI120CHF  | <p><b>Panel software kit for Swiss French</b></p> <p>Language Swiss French</p> <p>IP-Communication Option SMN42 and SMN43 enable communication over IP and GSM</p>   | BPZ:8007500001 |
| SLI120CHI  | <p><b>Panel software kit for Swiss Italian</b></p> <p>Language Swiss Italian</p> <p>IP-Communication Option SMN42 and SMN43 enable communication over IP and GSM</p>   | BPZ:8007480001 |

# Intrusion Panels

## SI Control Panels

### SI200



#### Type

#### Order No.

SI220..



#### Sintony® control panel 8-48 zones

Multimedia control panel to build-up an universal security system. The Sintony® 220 can be expanded from 8 to 48 inputs and is equipped with all the functions required to implement a high quality security system. Especially for small and mid-sized commercial such as boutiques, restaurants, gas station and more.  
1.5 mm steel housing with tamper contact. Main board with power supply and transformer are integrated. In- and outputs are freely programmable.

|                                |   |
|--------------------------------|---|
| Supply voltage (typical)       | 230 VAC, ± 10% / 50 Hz  |
| Current consumption            | Max. 210 mA   |
| Battery                        | 12 VDS / 17 Ah  |
| Auxiliary power (nominal)      | 12 VDC / 1.3 A  |
| Number of on-board zones       | 8   |
| Max. number of hardwired zones | 48 (10 SAT12 or SMT12)  |
| Max. number of wireless zones  | See installation instruction IEGW6-12   |
| Number of on-board open coll.  | 4 (max. 12 V / max. 150 mA / 30 R)<br>1 (max. 12 V / max. 500 mA / 5 R)                             |
| Number of on-board relays      | 1 single-pole, 24 V / 2 A 1 dual-pole,<br>24 V / 2 A 1 single-pole, 48 V / 5 A<br>(switching power) |
| Max. number of outputs         | Max. 49   |
| Max. number of outputs         | Max. 49   |
| Number of partitions           | 6   |
| Number of rooms per partition  | 6   |
| Event memory (engineer)        | 500   |
| Event memory (user)            | 50  |
| Number of keypads              | Max. 7  |
| Time function                  | 6 time schedule for auto set/unset<br>per partition   |
| Number of verification devices | Max. 8  |
| Video function                 | Local cyclical video/picture trans-<br>mission  |
| Telephone communicator         | Optional SML51 (PSTN) or SML61<br>(ISDN) Digital and Speech transmis-<br>sion                       |
| Interfaces                     | 1 RS232 for printer / PC  |
| Operating temperature          | 0 ~ +40 °C  |
| Dimensions (W x H x D)         | 303 x 405 x 88 mm   |
| Housing protection             | IP30  |
| Weight (without battery)       | 5.500 kg  |
| Data sheet                     | 009175, A6V10061894   |

SI220..

SI220CH

#### Sintony® control panel 8-48 zones Switzerland

See SI220.. for technical overview and note the additional / other specifications:

|                  |  |
|------------------|--|
| Language         | See software kit   |
| IP-Communication | Option SMN42 and SMN43 enable<br>communication over IP and GSM |

BPZ:8007510001

**Intrusion Panels**  
**SI Control Panels**  
**SI200**

| Type   | Order No.             |
|--|-----------------------|
| <p><b>SI220FR</b>                      <b>Sintony® control panel 8-48 zones French</b></p> <p>See SI220.. for technical overview and note the additional / other specifications:</p> <p>Language                                      French</p> <p>IP-Communication                              Option SMN42 and SMN43 enable communication over IP and GSM</p>  | <b>BPZ:8007250001</b> |
| <p><b>SI220FR-NF</b>                      <b>Sintony® control panel 8-48 zones French NF</b></p> <p>See SI220.. for technical overview and note the additional / other specifications:</p> <p>Language                                      French</p>   | <b>BPZ:8005810001</b> |
| <p><b>SI220IT</b>                              <b>Sintony® control panel 8-48 zones Italian</b></p> <p>See SI220.. for technical overview and note the additional / other specifications:</p> <p>Language                                      Italian</p>   | <b>BPZ:8007260001</b> |
| <p><b>SI220UK</b>                              <b>Sintony® control panel 8-48 zones English</b></p> <p>See SI220.. for technical overview and note the additional / other specifications:</p> <p>Language                                      English</p>   | <b>A6E80115710</b>    |
| <p><b>SI221ES</b>                              <b>Sintony® control panel 8-48 zones Spanish</b></p> <p>See SI220.. for technical overview and note the additional / other specifications:</p> <p>SI220 Panel with Spanish software + SML51 PSTN communicator</p> <p>Language                                      Spanish</p> <p>IP-Communication                              Option SMN42 and SMN43 enable communication over IP and GSM</p> | <b>BPZ:8007240001</b> |
| <p><b>SLI220CHD</b>                              <b>Panel software kit for Swiss German</b></p> <p>Language                                      Swiss German</p> <p>IP-Communication                              Option SMN42 and SMN43 enable communication over IP and GSM</p>   | <b>BPZ:8007530001</b> |
| <p><b>SLI220CHF</b>                              <b>Panel software kit for Swiss French</b></p> <p>Language                                      Swiss French</p> <p>IP-Communication                              Option SMN42 and SMN43 enable communication over IP and GSM</p>   | <b>BPZ:8007540001</b> |
| <p><b>SLI220CHI</b>                              <b>Panel software kit for Swiss Italian</b></p> <p>Language                                      Swiss Italian</p> <p>IP-Communication                              Option SMN42 and SMN43 enable communication over IP and GSM</p>   | <b>BPZ:8007520001</b> |



# Intrusion Panels

## SI Control Panels

### SI400



#### Type

#### Order No.

SI410..



#### Sintony® control panel 16-464 zones

Multimedia control panel to build-up an universal security system. The Sintony® 410 can be expanded from 16 to 464 inputs and is equipped with all the functions required to implement a high quality security system. Especially for high risk commercial such as shopping centres, banks, museum, industrial complexes and more.  
1.5 mm steelhousing with tamper contract. Main board with power supply and transformer are integrated. In- and outputs are freely programmable.

|                                |  |
|--------------------------------|--|
| Supply voltage (typical)       | 230 V AC +10%/-15%, 50 Hz  |
| Current consumption            | Max. 300 mA  |
| Battery                        | 12 VDC / 27 Ah   |
| Auxiliary power (nominal)      | 12 VDC / 2.3 A   |
| Number of on-board zones       | 16   |
| Max. number of hardwired zones | Conventional - 464 (112 x SAT12 or SMT12)<br>4 x SAG91 required for full capacity  |
| Max. number of wireless zones  | See installation instruction IEGW6-12  |
| Number of on-board open coll.  | 7, 12 V / 0.15 A<br>1, 12 V / 1.0 A  |
| Number of on-board relays      | 1 SPDT, 24 / 2 A<br>1 DPDT, 24 / 2 A<br>1 SPDT, 48 / 5 A   |
| Max. number of outputs         | 274  |
| Number of partitions           | 16   |
| Number of rooms per partition  | 8  |
| Number of clusters             | 4  |
| Event memory (engineer)        | 1500   |
| Event memory (user)            | 50   |
| Number of keypads              | Max. 32  |
| Number of card reader          | Max. 64 (using max. 32 card reader gateways SMG71)   |
| Time function                  | 20 Calendars on 2 years for actions on input, partitions, outputs and user codes   |
| Number of verification devices | Max. 32  |
| Video function                 | Local cyclical video / picture transmission  |
| Macro language                 | Give possibility to customise the panel through a specific programming able to link 64 inputs to 64 outputs (according to status of partitions, calendars, timers, inputs and outputs) |
| Telephone communicator         | Optional SML51 (PSTN) or SML61 (ISDN). Digital and speech transmission   |
| Interfaces                     | 2 x RS232 for printer / PC   |
| Operating temperature          | 0 ~ +40 °C   |
| Dimensions (W x H x D)         | 365 x 505 x 133 mm   |
| Housing protection             | IP30   |
| Weight (without battery)       | 8.600 kg   |
| Data sheet                     | 009174, A6V10061898  |

SI410..

## Intrusion Panels

### SI Control Panels

#### SI400

| Type       |   | Order No.      |
|------------|---|----------------|
| SI410BFL   | <p><b>Sintony® control panel 16-464 zones Flemish</b></p> <p>See SI410.. for technical overview and note the additional / other specifications:</p> <p>Language Flemish<br/>           IP-Communication Option SMN36 enables communication over IP and GSM</p>        | BPZ:8002560001 |
| SI410CZ    | <p><b>Sintony® control panel 16-464 zones Czech</b></p> <p>See SI410.. for technical overview and note the additional / other specifications:</p> <p>Language Czech<br/>           IP-Communication Option SMN36 enables communication over IP and GSM</p>            | BPZ:8004740001 |
| SI410FR    | <p><b>Sintony® control unit 16-464 zones French</b></p> <p>See SI410.. for technical overview and note the additional / other specifications:</p> <p>Language French<br/>           IP-Communication Options SMN42 and SMN43 enable communication over IP and GSM</p> | BPZ:8001800001 |
| SI410FR-NF | <p><b>Sintony® control panel 16-464 zones French NF</b></p> <p>See SI410.. for technical overview and note the additional / other specifications:</p> <p>Language French<br/>           IP-Communication Option SMN36 enables communication over IP and GSM</p>       | BPZ:8008400001 |
| SI410HU    | <p><b>Sintony® control panel 16-464 zones Hungarian</b></p> <p>See SI410.. for technical overview and note the additional / other specifications:</p> <p>Language Hungarian<br/>           IP-Communication Option SMN36 enables communication over IP and GSM</p>    | BPZ:8010020001 |
| SI410IT    | <p><b>Sintony® control panel 16-464 zones Italian</b></p> <p>See SI410.. for technical overview and note the additional / other specifications:</p> <p>Language Italian<br/>           IP-Communication Option SMN36 enables communication over IP and GSM</p>        | BPZ:8004320001 |
| SI410PL    | <p><b>Sintony® control panel 16-464 zones Polish</b></p> <p>See SI410.. for technical overview and note the additional / other specifications:</p> <p>Language Polish<br/>           IP-Communication Option SMN36 enables communication over IP and GSM</p>          | BPZ:8002660001 |

Intrusion Panels  
 SI Control Panels  
 SI400



| Type  | Order No.                    |
|---|------------------------------|
| <p><b>SI410UK</b>                      <b>Sintony® control panel 16-464 zones English</b></p> <p>See SI410.. for technical overview and note the additional / other specifications:</p> <p>Language                                      English<br/>           IP-Communication                      Option SMN36 enables communication over IP and GSM</p>  | <p><b>BPZ:8008080001</b></p> |
| <p><b>SI411ES</b>                      <b>Sintony® control unit 16-464 zones, Spanish</b></p> <p>See SI410.. for technical overview and note the additional / other specifications:</p> <p>SI410 Panel with Spanish software + SML51 PSTN communicator</p> <p>Language                                      Spanish<br/>           IP-Communication                      Options SMN42 and SMN43 enable communication over IP and GSM</p> | <p><b>BPZ:8008660001</b></p> |

# Intrusion Panels

## SI Control Panels

### SI400

Type

Order No.

SI420..



#### Sintony® control panel 16-464 zones

Multimedia control panel to build-up an universal security system. The Sintony® 420 can be expanded from 16 to 464 inputs and is equipped with all the functions required to implement a high quality security system. Especially for high risk commercial such as shopping centres, banks, museum, industrial complexes and more.

1.5 mm steelhousing with tamper contract. Main board with power supply and transformer are integrated. In- and outputs are freely programmable.

|                                |  |
|--------------------------------|--|
| Supply voltage (typical)       | 230 V AC +10%/-15%, 50 Hz  |
| Current consumption            | Max. 300 mA  |
| Battery                        | 12 VDC / 27 Ah   |
| Auxiliary power (nominal)      | 12 VDC / 2.3 A   |
| Number of on-board zones       | 24   |
| Max. number of hardwired zones | Conventional - 464 (110 x SAT12 or SMT12)<br>4 x SAG91 required for full capacity  |
| Max. number of wireless zones  | See installation instruction IEGW6-12  |
| Number of on-board open coll.  | 7, 12 V / 0.15 A<br>1, 12 V / 1.0 A  |
| Number of on-board relays      | 1 SPDT, 24 / 2 A<br>1 DPDT, 24 / 2 A<br>1 SPDT, 48 / 5 A   |
| Max. number of outputs         | 274  |
| Number of partitions           | 16   |
| Number of rooms per partition  | 8  |
| Number of clusters             | 4  |
| Event memory (engineer)        | 1500   |
| Event memory (user)            | 50   |
| Number of keypads              | Max. 32  |
| Time function                  | 20 Calendars on 2 years for actions on input, partitions, outputs and user codes   |
| Number of verification devices | Max. 32  |
| Video function                 | Local cyclical video / picture transmission  |
| Macro language                 | Give possibility to customise the panel through a specific programming able to link 64 inputs to 64 outputs (according to status of partitions, calendars, timers, inputs and outputs) |
| Telephone communicator         | Optional SML51 (PSTN) or SML61 (ISDN). Digital and speech transmission   |
| IP-Communication               | Option SMN42 and SMN43 enable communication over IP and GSM  |
| Interfaces                     | 2 x RS232 for printer / PC   |
| Operating temperature          | 0 ~ +40 °C   |
| Dimensions (W x H x D)         | 395 x 555 x 133 mm   |
| Housing protection             | IP30   |
| Weight (without battery)       | 10.200 kg  |

SI420..

**Intrusion Panels**  
**SI Control Panels**  
**SI400**



| Type  | Order No.                    |
|---|------------------------------|
| <p><b>SI420CH</b>                      <b>Sintony® control unit 24-464 zones, Swiss</b></p> <p>See SI420.. for technical overview and note the additional / other specifications:</p> <p>Language                                      Swiss German</p> | <p><b>BPZ:8006790001</b></p> |
| <p><b>SI420DE</b>                      <b>Sintony® control unit 24-464 zones, German</b></p> <p>See SI420.. for technical overview and note the additional / other specifications:</p> <p>Language                                      German</p>      | <p><b>BPZ:8009470001</b></p> |

# Intrunet SAK94

Multi-partition keypad with integrated card reader ...



... total control at your finger tips.

# Intrusion Panels

## SI Keypads

### LCD/LED Keypads



#### Type

#### Order No.

#### SAK21

#### LED keypad

The LED keypad is used wherever extra arm/disarm facilities are required.



|                              |                                       |
|------------------------------|---------------------------------------|
| Operating power (nominal)    | 12 VDC via E-Bus                      |
| Current consumption: minimum | 18 mA                                 |
| Current consumption: maximum | 51 mA                                 |
| Status LEDs                  | 3                                     |
| Housing protection           | IP30                                  |
| Operating temperature        | 0 ~ +55 °C                            |
| Dimensions (W x H x D)       | 77 x 125 x 36 mm                      |
| Weight                       | 0.240 kg                              |
| Data sheet                   | A6V10061890, A6V10061894, A6V10061898 |

A6E80117410

#### SAK41

#### LCD keypad with flap

The SAK41 is equipped with a 2-line display, each consisting of 16 characters. The display and the keys are fitted with backlights. The 5 LEDs display the most important system states such as on/off, war, "unset", "part set", "full set", alarm etc. The keypad is equipped with a cover.



|                              |                                       |
|------------------------------|---------------------------------------|
| Operating power (nominal)    | 12 VDC via E-Bus                      |
| Current consumption: minimum | 23 mA                                 |
| Current consumption: maximum | 112 mA                                |
| Special function keys        | 6                                     |
| Status LEDs                  | 5                                     |
| LCD-display                  | 2 x 16 characters                     |
| Operating temperature        | 0 ~ +55°C                             |
| Housing protection           | IP30                                  |
| Dimensions (W x H x D)       | 110 x 166 x 30 mm                     |
| Weight                       | 0.250 kg                              |
| Data sheet                   | A6V10061890, A6V10061894, A6V10061898 |

BPZ:8006590001

#### SAK51

#### LCD keypad

The SAK51 is equipped with a 2-line display, each consisting of 16 characters. The display and the keys are fitted with backlights. The 5 LEDs display the most important system states such as on/off, war, "unset", "part set", "full set", alarm etc.






|                              |                                       |
|------------------------------|---------------------------------------|
| Operating power (nominal)    | 12 VDC via E-Bus                      |
| Current consumption: minimum | 23 mA                                 |
| Current consumption: maximum | 112 mA                                |
| Special function keys        | 6                                     |
| Status LEDs                  | 5                                     |
| LCD-display                  | 2 x 16 characters                     |
| Operating temperature        | 0 ~ +55 °C                            |
| Housing protection           | IP30                                  |
| Dimensions (W x H x D)       | 170 x 110 x 30 mm                     |
| Weight                       | 0.220 kg                              |
| Data sheet                   | A6V10061890, A6V10061894, A6V10061898 |

BPZ:8006630001

# Intrusion Panels

## SI Keypads

### LCD/LED Keypads

| Type  | Order No.                             |                  |                              |                   |                              |        |                       |               |                |           |                       |                   |                       |               |                        |                   |                        |                   |            |                                       |            |                                       |  |
|---|---------------------------------------|------------------|------------------------------|-------------------|------------------------------|--------|-----------------------|---------------|----------------|-----------|-----------------------|-------------------|-----------------------|---------------|------------------------|-------------------|------------------------|-------------------|------------|---------------------------------------|------------|---------------------------------------|--|
| <p><b>SAK52</b></p>    | <p><b>BPZ:8006930001</b></p>          |                  |                              |                   |                              |        |                       |               |                |           |                       |                   |                       |               |                        |                   |                        |                   |            |                                       |            |                                       |  |
| <p><b>LCD keypad with audio function</b></p> <p>The SAK52 is identical to the SAK51. The added audio function (microphone and loudspeaker) supports applications such as alarm verification and remote help.</p> <table border="0"> <tr> <td>Operating power (nominal)</td> <td>12 VDC via E-Bus</td> </tr> <tr> <td>Current consumption: minimum</td> <td>23 mA</td> </tr> <tr> <td>Current consumption: maximum</td> <td>126 mA</td> </tr> <tr> <td>Special function keys</td> <td>6</td> </tr> <tr> <td>Status LEDs</td> <td>5</td> </tr> <tr> <td>LCD-display</td> <td>2 x 16 characters</td> </tr> <tr> <td>Operating temperature</td> <td>0 ~ +55 °C</td> </tr> <tr> <td>Housing protection</td> <td>IP30</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>170 x 110 x 30 mm</td> </tr> <tr> <td>Weight</td> <td>0.250 kg</td> </tr> <tr> <td>Data sheet</td> <td>A6V10061890, A6V10061894, A6V10061898</td> </tr> </table>  | Operating power (nominal)             | 12 VDC via E-Bus | Current consumption: minimum | 23 mA             | Current consumption: maximum | 126 mA | Special function keys | 6             | Status LEDs    | 5         | LCD-display           | 2 x 16 characters | Operating temperature | 0 ~ +55 °C    | Housing protection     | IP30              | Dimensions (W x H x D) | 170 x 110 x 30 mm | Weight     | 0.250 kg                              | Data sheet | A6V10061890, A6V10061894, A6V10061898 |  |
| Operating power (nominal)   | 12 VDC via E-Bus                      |                  |                              |                   |                              |        |                       |               |                |           |                       |                   |                       |               |                        |                   |                        |                   |            |                                       |            |                                       |  |
| Current consumption: minimum  | 23 mA                                 |                  |                              |                   |                              |        |                       |               |                |           |                       |                   |                       |               |                        |                   |                        |                   |            |                                       |            |                                       |  |
| Current consumption: maximum  | 126 mA                                |                  |                              |                   |                              |        |                       |               |                |           |                       |                   |                       |               |                        |                   |                        |                   |            |                                       |            |                                       |  |
| Special function keys   | 6                                     |                  |                              |                   |                              |        |                       |               |                |           |                       |                   |                       |               |                        |                   |                        |                   |            |                                       |            |                                       |  |
| Status LEDs   | 5                                     |                  |                              |                   |                              |        |                       |               |                |           |                       |                   |                       |               |                        |                   |                        |                   |            |                                       |            |                                       |  |
| LCD-display   | 2 x 16 characters                     |                  |                              |                   |                              |        |                       |               |                |           |                       |                   |                       |               |                        |                   |                        |                   |            |                                       |            |                                       |  |
| Operating temperature   | 0 ~ +55 °C                            |                  |                              |                   |                              |        |                       |               |                |           |                       |                   |                       |               |                        |                   |                        |                   |            |                                       |            |                                       |  |
| Housing protection  | IP30                                  |                  |                              |                   |                              |        |                       |               |                |           |                       |                   |                       |               |                        |                   |                        |                   |            |                                       |            |                                       |  |
| Dimensions (W x H x D)  | 170 x 110 x 30 mm                     |                  |                              |                   |                              |        |                       |               |                |           |                       |                   |                       |               |                        |                   |                        |                   |            |                                       |            |                                       |  |
| Weight  | 0.250 kg                              |                  |                              |                   |                              |        |                       |               |                |           |                       |                   |                       |               |                        |                   |                        |                   |            |                                       |            |                                       |  |
| Data sheet  | A6V10061890, A6V10061894, A6V10061898 |                  |                              |                   |                              |        |                       |               |                |           |                       |                   |                       |               |                        |                   |                        |                   |            |                                       |            |                                       |  |
| <p><b>SAK53</b></p>   | <p><b>BPZ:8006940001</b></p>          |                  |                              |                   |                              |        |                       |               |                |           |                       |                   |                       |               |                        |                   |                        |                   |            |                                       |            |                                       |  |
| <p><b>LCD keypad with flap and large display</b></p> <p>The SAK53 is equipped with a removable cover and an extra large 2-line display, each consisting of 16 characters. The display and the keys are fitted with backlights. The 5 LEDs display the most important systems states such as on/off, ward, "unset", "part set", "full set", alarm etc.</p> <table border="0"> <tr> <td>Operating power (nominal)</td> <td>12 VDC via E-Bus</td> </tr> <tr> <td>Current consumption: minimum</td> <td>23 mA</td> </tr> <tr> <td>Current consumption: maximum</td> <td>112 mA</td> </tr> <tr> <td>Special function keys</td> <td>6</td> </tr> <tr> <td>Status LEDs</td> <td>5</td> </tr> <tr> <td>LCD-display</td> <td>2 x 16 characters</td> </tr> <tr> <td>Operating temperature</td> <td>0 ~ +55 °C</td> </tr> <tr> <td>Housing protection</td> <td>IP30</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>170 x 110 x 30 mm</td> </tr> <tr> <td>Weight</td> <td>0.250 kg</td> </tr> <tr> <td>Data sheet</td> <td>A6V10061890, A6V10061894, A6V10061898</td> </tr> </table> | Operating power (nominal)             | 12 VDC via E-Bus | Current consumption: minimum | 23 mA             | Current consumption: maximum | 112 mA | Special function keys | 6             | Status LEDs    | 5         | LCD-display           | 2 x 16 characters | Operating temperature | 0 ~ +55 °C    | Housing protection     | IP30              | Dimensions (W x H x D) | 170 x 110 x 30 mm | Weight     | 0.250 kg                              | Data sheet | A6V10061890, A6V10061894, A6V10061898 |  |
| Operating power (nominal)   | 12 VDC via E-Bus                      |                  |                              |                   |                              |        |                       |               |                |           |                       |                   |                       |               |                        |                   |                        |                   |            |                                       |            |                                       |  |
| Current consumption: minimum  | 23 mA                                 |                  |                              |                   |                              |        |                       |               |                |           |                       |                   |                       |               |                        |                   |                        |                   |            |                                       |            |                                       |  |
| Current consumption: maximum  | 112 mA                                |                  |                              |                   |                              |        |                       |               |                |           |                       |                   |                       |               |                        |                   |                        |                   |            |                                       |            |                                       |  |
| Special function keys   | 6                                     |                  |                              |                   |                              |        |                       |               |                |           |                       |                   |                       |               |                        |                   |                        |                   |            |                                       |            |                                       |  |
| Status LEDs   | 5                                     |                  |                              |                   |                              |        |                       |               |                |           |                       |                   |                       |               |                        |                   |                        |                   |            |                                       |            |                                       |  |
| LCD-display   | 2 x 16 characters                     |                  |                              |                   |                              |        |                       |               |                |           |                       |                   |                       |               |                        |                   |                        |                   |            |                                       |            |                                       |  |
| Operating temperature   | 0 ~ +55 °C                            |                  |                              |                   |                              |        |                       |               |                |           |                       |                   |                       |               |                        |                   |                        |                   |            |                                       |            |                                       |  |
| Housing protection  | IP30                                  |                  |                              |                   |                              |        |                       |               |                |           |                       |                   |                       |               |                        |                   |                        |                   |            |                                       |            |                                       |  |
| Dimensions (W x H x D)  | 170 x 110 x 30 mm                     |                  |                              |                   |                              |        |                       |               |                |           |                       |                   |                       |               |                        |                   |                        |                   |            |                                       |            |                                       |  |
| Weight  | 0.250 kg                              |                  |                              |                   |                              |        |                       |               |                |           |                       |                   |                       |               |                        |                   |                        |                   |            |                                       |            |                                       |  |
| Data sheet  | A6V10061890, A6V10061894, A6V10061898 |                  |                              |                   |                              |        |                       |               |                |           |                       |                   |                       |               |                        |                   |                        |                   |            |                                       |            |                                       |  |
| <p><b>SAK84</b></p>    | <p><b>S24243-F3266-A4</b></p>         |                  |                              |                   |                              |        |                       |               |                |           |                       |                   |                       |               |                        |                   |                        |                   |            |                                       |            |                                       |  |
| <p><b>SiPlus LCD keypad with card reader and audio</b></p> <p>The SAK84 is equipped with a proximity card reader (125kHz) for easy user access, speaker/microphone for alarm verification, soft keys and large graphical LCD for easy operation. The functionality can be enhanced with add-on module SAK9S1.</p> <table border="0"> <tr> <td>Current consumption: minimum</td> <td>48 mA</td> </tr> <tr> <td>Current consumption: maximum</td> <td>95 mA (at 12 VDC)</td> </tr> <tr> <td>Status LEDs</td> <td>5</td> </tr> <tr> <td>LCD-display</td> <td>128 x 64 dots</td> </tr> <tr> <td>Supply voltage</td> <td>Via E-Bus</td> </tr> <tr> <td>Operating temperature</td> <td>0 ~ +55 °C</td> </tr> <tr> <td>Relative humidity</td> <td>93 % (no dew)</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>112 x 185 x 28 mm</td> </tr> <tr> <td>Weight</td> <td>0.380 kg</td> </tr> <tr> <td>Data sheet</td> <td>A6V10061890, A6V10061894, A6V10061898</td> </tr> </table>   | Current consumption: minimum          | 48 mA            | Current consumption: maximum | 95 mA (at 12 VDC) | Status LEDs                  | 5      | LCD-display           | 128 x 64 dots | Supply voltage | Via E-Bus | Operating temperature | 0 ~ +55 °C        | Relative humidity     | 93 % (no dew) | Dimensions (W x H x D) | 112 x 185 x 28 mm | Weight                 | 0.380 kg          | Data sheet | A6V10061890, A6V10061894, A6V10061898 |            |                                       |  |
| Current consumption: minimum  | 48 mA                                 |                  |                              |                   |                              |        |                       |               |                |           |                       |                   |                       |               |                        |                   |                        |                   |            |                                       |            |                                       |  |
| Current consumption: maximum  | 95 mA (at 12 VDC)                     |                  |                              |                   |                              |        |                       |               |                |           |                       |                   |                       |               |                        |                   |                        |                   |            |                                       |            |                                       |  |
| Status LEDs   | 5                                     |                  |                              |                   |                              |        |                       |               |                |           |                       |                   |                       |               |                        |                   |                        |                   |            |                                       |            |                                       |  |
| LCD-display   | 128 x 64 dots                         |                  |                              |                   |                              |        |                       |               |                |           |                       |                   |                       |               |                        |                   |                        |                   |            |                                       |            |                                       |  |
| Supply voltage  | Via E-Bus                             |                  |                              |                   |                              |        |                       |               |                |           |                       |                   |                       |               |                        |                   |                        |                   |            |                                       |            |                                       |  |
| Operating temperature   | 0 ~ +55 °C                            |                  |                              |                   |                              |        |                       |               |                |           |                       |                   |                       |               |                        |                   |                        |                   |            |                                       |            |                                       |  |
| Relative humidity   | 93 % (no dew)                         |                  |                              |                   |                              |        |                       |               |                |           |                       |                   |                       |               |                        |                   |                        |                   |            |                                       |            |                                       |  |
| Dimensions (W x H x D)  | 112 x 185 x 28 mm                     |                  |                              |                   |                              |        |                       |               |                |           |                       |                   |                       |               |                        |                   |                        |                   |            |                                       |            |                                       |  |
| Weight  | 0.380 kg                              |                  |                              |                   |                              |        |                       |               |                |           |                       |                   |                       |               |                        |                   |                        |                   |            |                                       |            |                                       |  |
| Data sheet  | A6V10061890, A6V10061894, A6V10061898 |                  |                              |                   |                              |        |                       |               |                |           |                       |                   |                       |               |                        |                   |                        |                   |            |                                       |            |                                       |  |



# Intrusion Panels

## SI Keypads

### LCD/LED Keypads



#### Type

#### Order No.

#### SAK94

#### SiPlus multi partition keypad with card reader and audio

S24243-F3263-A4



The SAK94 is equipped with a proximity card reader (125kHz) for easy user access, speaker/microphone for alarm verification, soft keys and large graphical LCD for easy operation. Up to 16 partitions (SI4xx F9 firmware needed) can be easily operated, whereby 4 partitions are permanently displayed. The functionality can be enhanced with add-on modules SAK9S1 and SAK9L1.

|                              |                                       |
|------------------------------|---------------------------------------|
| Current consumption: minimum | 48 mA                                 |
| Current consumption: maximum | 95 mA (at 12 VDC)                     |
| Status LEDs                  | 5                                     |
| LCD-display                  | 128 x 64 dots                         |
| Supply voltage               | Via E-Bus                             |
| Operating temperature        | 0 ~ +55 °C                            |
| Relative humidity            | 93 % (no dew)                         |
| Dimensions (W x H x D)       | 112 x 185 x 28 mm                     |
| Weight                       | 0.380 kg                              |
| Data sheet                   | A6V10061890, A6V10061894, A6V10061898 |

#### SAK9S1

#### SiPlus univ. key switch module

S24243-F3265-A1




The SAK9S1 is a universal key switch module. In combination with SAK94, SAK84 or SAK9L1 it's used to unlock the keypad for operation. In standalone mode the function of LED's and key switch position can be freely defined by the control unit. The module also provides a programmable buzzer for acoustic notification.

|                              |   |
|------------------------------|---|
| Current consumption: minimum | 25 mA                                     |
| Current consumption: maximum | 50 mA                                     |
| Configuration                | Standalone mode: occupies 1 SMT12 address |
| Status LEDs                  | 2   |
| Supply voltage               | Via E-Bus                                 |
| Operating temperature        | -10 ~ +55 °C                              |
| Dimensions (W x H x D)       | 112 x 92 38 mm                            |
| Weight                       | 0.260 kg                                  |
| Data sheet                   | A6V10061890, A6V10061894, A6V10061898     |

# Intrusion Panels

## SI Keypads

### LCD/LED Keypads

| Type  | Order No.  |
|---|--|
| SAK9L1  | S24243-F3264-A1  |
|  | <p><b>SiPlus univ. annunciation module with key</b></p> <p>The SAK9L1 is an universal annunciation module with 16 LED's and 4 function keys. In linked mode with SAK94 the status of 4 partitions is displayed with LED's and setting is possible with function keys (depending on control unit type and firmware). In standalone mode the function of LED's and keys can be freely defined by the control unit. The module also provides a programmable buzzer for acoustic notification.</p> <p>Current consumption: minimum 25 mA<br/>           Current consumption: maximum 50 mA</p> <p>Configuration Standalone mode: flexible assignment of device addresses. Occupies max. 4 x SMT and 1 x SMT44 addresses.</p> <p>Status LEDs 16<br/>           Supply voltage Via E-Bus<br/>           Operating temperature -10 ~ +55 °C<br/>           Dimensions (W x H x D) 112 x 92 x 38 mm<br/>           Weight 0.260 kg<br/>           Data sheet A6V10061890, A6V10061894, A6V10061898</p> |

Intrusion Panels  
SI Keypads  
Keypad Language Kits



| Type       |                                  | Order No.      |
|------------|----------------------------------|----------------|
| SLK41DE    | Language kit for SAK41 German    | BPZ:8002610001 |
| SLK51/52DE | Language kit for SAK51/52 German | A6E80113620    |
| SLK51/52F  | Language kit for SAK51/52 French | A6E80112420    |
| SLK53DE    | Language kit for SAK53 German    | BPZ:8011140001 |
| SLK53FR    | Language kit for SAK53 French    | BPZ:8011150001 |

# How do I know which floor to check in case of an alarm?

## Using interoperable access control, intrusion detection and video surveillance systems.

The alarm can be easily located via the intrusion detection system, then verified with surveillance cameras while simultaneously recording, yet restricting access control rights within the building – all displayed and controlled via one screen. [www.siemens.com/interoperability](http://www.siemens.com/interoperability)

Answers for infrastructure.

**SIEMENS**

## Intrusion Panels

### SI Alarm Verification Devices

### Audio and Video Verification



#### Type

#### Order No.

#### WAC11



#### Two-way audio unit loudspeaker and microphone

The WAC11 is a combined microphone and speaker which can be connected either to a WAC12 or directly to the WMA11 audio module. The WAC11 has an LED which indicates recording mode by illuminating whilst the microphone is activated. This indication can be switched off. The WAC11 uses the same housing as the WAC12.

|                              |  |
|------------------------------|--|
| Supply                       | Via audio of WAC12                       |
| Current consumption: maximum | 7 mA                                     |
| Operating temperature        | -10 ~ +55 °C                             |
| Housing                      | ABS                                      |
| Housing protection           | IP30                                     |
| Dimensions (W x H x D)       | 105 x 145 x 70 mm                        |
| Weight                       | 0.240 kg                                 |
| Data sheet                   | A6V10061890, A6V10061894,<br>A6V10061898 |

BPZ:8000110001

#### WAC12



#### Addressable two-way audio unit loudspeaker and microphone

The WAC12 is a combined microphone and loudspeaker controlled via the E-Bus. It is possible to connect 3 WAC11 or WAS11 microphone/loudspeaker units to the WAC12 to extend acoustic coverage.

|                              |  |
|------------------------------|--|
| Supply                       | Via E-Bus                                |
| Current consumption: minimum | 5 mA                                     |
| Current consumption: maximum | 24 mA                                    |
| Operating temperature        | -10 ~ +55 °C                             |
| Housing                      | ABS                                      |
| Housing protection           | IP30                                     |
| Dimensions (W x H x D)       | 105 x 145 x 70 mm                        |
| Weight                       | 0.240 kg                                 |
| Data sheet                   | A6V10061890, A6V10061894,<br>A6V10061898 |

BPZ:8007720001

#### WAS11



#### Microphone unit

The WAS11 can either be connected to an addressable WAC12 device or directly to the WMA11 audio module. The WAS11 is equipped with a regulator to adjust the sensitivity.

|                        |  |
|------------------------|--|
| Power supply           | Via audio of WAC12                         |
| Operating temperature  | -10 ~ +55 °C                               |
| Current consumption    | 0 mA (quiescent state)<br>3 mA (activated) |
| Housing                | ABS  |
| Housing protection     | IP30                                       |
| Dimensions (W x H x D) | 77 x 77 x 35 mm                            |
| Weight                 | 0.070 kg                                   |
| Data sheet             | A6V10061890, A6V10061894,<br>A6V10061898   |

BPZ:8005230001

# Intrusion Panels

## SI Alarm Verification Devices

### Audio and Video Verification

| Type  | Order No.                                       |           |                              |                |                              |            |                |                         |                         |                          |                       |                   |                        |   |                          |            |                        |                             |                       |              |                  |                                       |                          |      |                        |                  |        |          |            |                                       |  |
|---|---|-----------|------------------------------|----------------|------------------------------|------------|----------------|-------------------------|-------------------------|--------------------------|-----------------------|-------------------|------------------------|---|--------------------------|------------|------------------------|-----------------------------|-----------------------|--------------|------------------|---------------------------------------|--------------------------|------|------------------------|------------------|--------|----------|------------|---------------------------------------|--|
| <p><b>WAT21</b></p>    | <p><b>BPZ:8002150001</b></p>                    |           |                              |                |                              |            |                |                         |                         |                          |                       |                   |                        |   |                          |            |                        |                             |                       |              |                  |                                       |                          |      |                        |                  |        |          |            |                                       |  |
| <p><b>Video camera interface</b></p> <p>The WAT21 E-Bus connection is used to connect a Siemens or standard video camera to the video bus. In addition to this the module has interfaces for the microphone/loudspeaker modules WAC11 and WAS11. A relay output also signalizes activation of the interface subsequent to an alarm (e.g. to switch on external infrared lighting).</p> <table border="0"> <tr> <td>Supply</td> <td>Via E-Bus</td> </tr> <tr> <td>Current consumption: minimum</td> <td>12 mA</td> </tr> <tr> <td>Current consumption: maximum</td> <td>107 mA</td> </tr> <tr> <td>Input: video</td> <td>1 Vpp for camera</td> </tr> <tr> <td>Input: audio</td> <td>To connect WAC11 / WAS11</td> </tr> <tr> <td>Output: video</td> <td>1 Vpp for monitor</td> </tr> <tr> <td>Output: open collector</td> <td>12 V / 150 mA active low 40 Ohm series resistor</td> </tr> <tr> <td>Tamper protection</td> <td>NC contact</td> </tr> <tr> <td>Bus connection for</td> <td>E-Bus, Audio bus, Video bus</td> </tr> <tr> <td>Operating temperature</td> <td>-10 ~ +55 °C</td> </tr> <tr> <td>Housing material</td> <td>ABS</td> </tr> <tr> <td>Housing protection class</td> <td>IP30</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>135 x 86 x 27 mm</td> </tr> <tr> <td>Weight</td> <td>0.140 kg</td> </tr> <tr> <td>Data sheet</td> <td>A6V10061890, A6V10061894, A6V10061898</td> </tr> </table> | Supply  | Via E-Bus | Current consumption: minimum | 12 mA          | Current consumption: maximum | 107 mA     | Input: video   | 1 Vpp for camera        | Input: audio            | To connect WAC11 / WAS11 | Output: video         | 1 Vpp for monitor | Output: open collector | 12 V / 150 mA active low 40 Ohm series resistor | Tamper protection        | NC contact | Bus connection for     | E-Bus, Audio bus, Video bus | Operating temperature | -10 ~ +55 °C | Housing material | ABS                                   | Housing protection class | IP30 | Dimensions (W x H x D) | 135 x 86 x 27 mm | Weight | 0.140 kg | Data sheet | A6V10061890, A6V10061894, A6V10061898 |  |
| Supply  | Via E-Bus                                       |           |                              |                |                              |            |                |                         |                         |                          |                       |                   |                        |   |                          |            |                        |                             |                       |              |                  |                                       |                          |      |                        |                  |        |          |            |                                       |  |
| Current consumption: minimum  | 12 mA   |           |                              |                |                              |            |                |                         |                         |                          |                       |                   |                        |   |                          |            |                        |                             |                       |              |                  |                                       |                          |      |                        |                  |        |          |            |                                       |  |
| Current consumption: maximum  | 107 mA  |           |                              |                |                              |            |                |                         |                         |                          |                       |                   |                        |   |                          |            |                        |                             |                       |              |                  |                                       |                          |      |                        |                  |        |          |            |                                       |  |
| Input: video  | 1 Vpp for camera                                |           |                              |                |                              |            |                |                         |                         |                          |                       |                   |                        |   |                          |            |                        |                             |                       |              |                  |                                       |                          |      |                        |                  |        |          |            |                                       |  |
| Input: audio  | To connect WAC11 / WAS11                        |           |                              |                |                              |            |                |                         |                         |                          |                       |                   |                        |   |                          |            |                        |                             |                       |              |                  |                                       |                          |      |                        |                  |        |          |            |                                       |  |
| Output: video   | 1 Vpp for monitor                               |           |                              |                |                              |            |                |                         |                         |                          |                       |                   |                        |   |                          |            |                        |                             |                       |              |                  |                                       |                          |      |                        |                  |        |          |            |                                       |  |
| Output: open collector  | 12 V / 150 mA active low 40 Ohm series resistor |           |                              |                |                              |            |                |                         |                         |                          |                       |                   |                        |   |                          |            |                        |                             |                       |              |                  |                                       |                          |      |                        |                  |        |          |            |                                       |  |
| Tamper protection   | NC contact                                      |           |                              |                |                              |            |                |                         |                         |                          |                       |                   |                        |   |                          |            |                        |                             |                       |              |                  |                                       |                          |      |                        |                  |        |          |            |                                       |  |
| Bus connection for  | E-Bus, Audio bus, Video bus                     |           |                              |                |                              |            |                |                         |                         |                          |                       |                   |                        |   |                          |            |                        |                             |                       |              |                  |                                       |                          |      |                        |                  |        |          |            |                                       |  |
| Operating temperature   | -10 ~ +55 °C                                    |           |                              |                |                              |            |                |                         |                         |                          |                       |                   |                        |   |                          |            |                        |                             |                       |              |                  |                                       |                          |      |                        |                  |        |          |            |                                       |  |
| Housing material  | ABS   |           |                              |                |                              |            |                |                         |                         |                          |                       |                   |                        |   |                          |            |                        |                             |                       |              |                  |                                       |                          |      |                        |                  |        |          |            |                                       |  |
| Housing protection class  | IP30  |           |                              |                |                              |            |                |                         |                         |                          |                       |                   |                        |   |                          |            |                        |                             |                       |              |                  |                                       |                          |      |                        |                  |        |          |            |                                       |  |
| Dimensions (W x H x D)  | 135 x 86 x 27 mm                                |           |                              |                |                              |            |                |                         |                         |                          |                       |                   |                        |   |                          |            |                        |                             |                       |              |                  |                                       |                          |      |                        |                  |        |          |            |                                       |  |
| Weight  | 0.140 kg  |           |                              |                |                              |            |                |                         |                         |                          |                       |                   |                        |   |                          |            |                        |                             |                       |              |                  |                                       |                          |      |                        |                  |        |          |            |                                       |  |
| Data sheet  | A6V10061890, A6V10061894, A6V10061898           |           |                              |                |                              |            |                |                         |                         |                          |                       |                   |                        |   |                          |            |                        |                             |                       |              |                  |                                       |                          |      |                        |                  |        |          |            |                                       |  |
| <p><b>WAV61</b></p>    | <p><b>BPZ:8003430001</b></p>                    |           |                              |                |                              |            |                |                         |                         |                          |                       |                   |                        |   |                          |            |                        |                             |                       |              |                  |                                       |                          |      |                        |                  |        |          |            |                                       |  |
| <p><b>Monitor interface WAV61</b></p> <p>The WAV61 monitor interface enables connection of a monitor or video recorder to the video bus for local video monitoring. It can be used to view and record the existing images from WAT21.</p> <table border="0"> <tr> <td>Supply</td> <td>12 VDC</td> </tr> <tr> <td>Current consumption</td> <td>40 mA, typical</td> </tr> <tr> <td>Tamper protection</td> <td>NC contact</td> </tr> <tr> <td>Outputs: video</td> <td>1 Vpp for monitor / VCR</td> </tr> <tr> <td>Outputs: Bus connection</td> <td>for videobus</td> </tr> <tr> <td>Operating temperature</td> <td>-10 ~ +55 °C</td> </tr> <tr> <td>Housing material</td> <td>ABS</td> </tr> <tr> <td>Housing protection class</td> <td>IP30</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>135 x 86 x 27 mm</td> </tr> <tr> <td>Weight</td> <td>0.120 kg</td> </tr> <tr> <td>Data sheet</td> <td>A6V10061890, A6V10061894, A6V10061898</td> </tr> </table>   | Supply  | 12 VDC    | Current consumption          | 40 mA, typical | Tamper protection            | NC contact | Outputs: video | 1 Vpp for monitor / VCR | Outputs: Bus connection | for videobus             | Operating temperature | -10 ~ +55 °C      | Housing material       | ABS   | Housing protection class | IP30       | Dimensions (W x H x D) | 135 x 86 x 27 mm            | Weight                | 0.120 kg     | Data sheet       | A6V10061890, A6V10061894, A6V10061898 |                          |      |                        |                  |        |          |            |                                       |  |
| Supply  | 12 VDC  |           |                              |                |                              |            |                |                         |                         |                          |                       |                   |                        |   |                          |            |                        |                             |                       |              |                  |                                       |                          |      |                        |                  |        |          |            |                                       |  |
| Current consumption   | 40 mA, typical                                  |           |                              |                |                              |            |                |                         |                         |                          |                       |                   |                        |   |                          |            |                        |                             |                       |              |                  |                                       |                          |      |                        |                  |        |          |            |                                       |  |
| Tamper protection   | NC contact                                      |           |                              |                |                              |            |                |                         |                         |                          |                       |                   |                        |   |                          |            |                        |                             |                       |              |                  |                                       |                          |      |                        |                  |        |          |            |                                       |  |
| Outputs: video  | 1 Vpp for monitor / VCR                         |           |                              |                |                              |            |                |                         |                         |                          |                       |                   |                        |   |                          |            |                        |                             |                       |              |                  |                                       |                          |      |                        |                  |        |          |            |                                       |  |
| Outputs: Bus connection   | for videobus                                    |           |                              |                |                              |            |                |                         |                         |                          |                       |                   |                        |   |                          |            |                        |                             |                       |              |                  |                                       |                          |      |                        |                  |        |          |            |                                       |  |
| Operating temperature   | -10 ~ +55 °C                                    |           |                              |                |                              |            |                |                         |                         |                          |                       |                   |                        |   |                          |            |                        |                             |                       |              |                  |                                       |                          |      |                        |                  |        |          |            |                                       |  |
| Housing material  | ABS   |           |                              |                |                              |            |                |                         |                         |                          |                       |                   |                        |   |                          |            |                        |                             |                       |              |                  |                                       |                          |      |                        |                  |        |          |            |                                       |  |
| Housing protection class  | IP30  |           |                              |                |                              |            |                |                         |                         |                          |                       |                   |                        |   |                          |            |                        |                             |                       |              |                  |                                       |                          |      |                        |                  |        |          |            |                                       |  |
| Dimensions (W x H x D)  | 135 x 86 x 27 mm                                |           |                              |                |                              |            |                |                         |                         |                          |                       |                   |                        |   |                          |            |                        |                             |                       |              |                  |                                       |                          |      |                        |                  |        |          |            |                                       |  |
| Weight  | 0.120 kg  |           |                              |                |                              |            |                |                         |                         |                          |                       |                   |                        |   |                          |            |                        |                             |                       |              |                  |                                       |                          |      |                        |                  |        |          |            |                                       |  |
| Data sheet  | A6V10061890, A6V10061894, A6V10061898           |           |                              |                |                              |            |                |                         |                         |                          |                       |                   |                        |   |                          |            |                        |                             |                       |              |                  |                                       |                          |      |                        |                  |        |          |            |                                       |  |

# Intrusion Panels

## SI Alarm Verification Devices

### Audio and Video Verification



Type

Order No.

WMA11

#### Plug-on audio module



The WMA11 audio module is the interface for the audio bus and is simply mounted on the Sintony® mainboard. The audio bus allows for 2-way transfer of acoustic signals between the audio components and the control panel. The module also decodes the DTMF signals of a telephone, thus enabling control panel via telephone keys.

|                        |   |
|------------------------|---|
| Supply                 | Via main circuit board                        |
| Current consumption    | 10 mA (quiescent state)<br>100 mA (activated) |
| Operating temperature  | 0 ~ +40 °C                                    |
| Dimensions (W x H x D) | 113 x 60 x 26 mm                              |
| Weight                 | 0.060 kg                                      |
| Data sheet             | A6V10061890, A6V10061894,<br>A6V10061898      |

BPZ:8000310001

WMV12

#### Plug-on video module



The WMV12 video module is the interface for the video bus and is simply mounted on the Sintony® mainboard. A monitor can be connected to check camera availability at the push of a button. In the case of alarm, 6 images from the allocated camera are stored digitally and transferred to the emergency center with alarm notification. The WMV12 is not required for local surveillance.

|                        |   |
|------------------------|---|
| Supply                 | Via main circuit board                      |
| Current consumption    | 8 mA (quiescent state)<br>160 mA (in alarm) |
| Operating temperature  | 0 ~ +40 °C                                  |
| Housing material       | ABS   |
| Dimensions (W x H x D) | 130 x 118 x 24 mm                           |
| Weight                 | 0.130 kg                                    |
| Data sheet             | A6V10061890, A6V10061894,<br>A6V10061898    |

BPZ:8000040010

8



**This warehouse contains our highest value goods, how can I protect them, yet give people access to move them?**

**Using interoperable access control, intrusion detection and video surveillance systems.**

Access control rights allow you in, automatically disabling the alarm system and simultaneously recording everything via the video surveillance system – all displayed and controlled via one screen.  
[www.siemens.com/interoperability](http://www.siemens.com/interoperability)

**Answers for infrastructure.**

**SIEMENS**



# Intrusion Panels

## SI Accessories

### Communication Modules



Type

Order No.

**SML51TBR**

#### Analog PSTN dialing device



The SML51-TBR dialing device connects the Sintony® with the analog telephone network (PSTN). It supports the various different remote applications such as alarm transfer, audio/video alarm verification, configuration or maintenance. Used in connection with the SMV11, individual voice messages can also be transferred.

|                              |                                       |
|------------------------------|---------------------------------------|
| Power supply                 | Via main circuit board                |
| Current consumption: minimum | 4 mA                                  |
| Current consumption: maximum | 82 mA                                 |
| Operating temperature        | 0 ~ +40 °C                            |
| Weight                       | 0.070 kg                              |
| Data sheet                   | A6V10061890, A6V10061894, A6V10061898 |

**BPZ:8003480001**

**SML61**

#### ISDN dialing devices



The SML61 dialing device connects the Sintony® with the digital network (ISDN). It supports the various different remote applications such as alarm transfer, audio/video alarm verification, configuration or maintenance. Used in connection with the SMV11, individual voice messages can also be transferred.

|                              |                                       |
|------------------------------|---------------------------------------|
| Supply                       | Via main circuit board                |
| Current consumption: minimum | 4 mA                                  |
| Current consumption: maximum | 82 mA                                 |
| Operating temperature        | 0 ~ +40 °C                            |
| Weight                       | 0.070 kg                              |
| Data sheet                   | A6V10061890, A6V10061894, A6V10061898 |

**BPZ:8003970001**

**SMN36**

#### IP-Interface module



The SMN36 IP module connects the Sintony® with IP networks. It supports the various different remote applications such as alarm transfer, configuration, maintenance, system control or monitoring. In addition to this, the conventional dialing devices can be used for redundant transfer.

|                              |                        |
|------------------------------|------------------------|
| Supply                       | via main circuit board |
| Current consumption: minimum | 82 mA                  |
| Current consumption: maximum | 140 mA                 |
| Operating temperature        | 0 ~ +40 °C             |
| Weight                       | 0.070 kg               |


**A6E80117810**

9

# Intrusion Panels

## SI Accessories

### Communication Modules

| Type  | Order No.   |
|---|---|
| SMN42   | S24243-A3203-A1   |
|  | <p><b>SiPlus IP-Interface board</b></p> <p>The SMN42 IP-interface connects the SI4xx, SI340, SI22x und SI12x with the IP-network and is easily plugged on the control unit main PCB. It supports various different remote applications such as alarm transmission, configuration, maintenance, system control or monitoring (depending on control unit type).</p> <p>Supply Via main circuit board (12 VDC terminals in SI12x)</p> <p>Current consumption Typical: 180 mA (at 12 V)</p> <p>Communication protocol Events: ASTM UDP/IP (Contact ID, CESA) or SUPELPRO TCP/IP (Contact ID, CESA)</p> <p>Compatibility SI4xx/SI34x (&gt;= Rel F9-22), SI22x/SI12x (&gt;=Rel A8)</p> <p>Configuration Network: DHCP client or manually<br/>Module: Via embedded web server or Sylcom (SI4xx only)</p> <p>Number of on-board relays 3 single-pole, 24 V / 2 A (switching power)</p> <p>Interfaces 1 IP (RJ45, 10-BaseT) 2 RS232 @57.6kB (J6/J1)</p> <p>Operating voltage 10.5 ~ 15 VDC</p> <p>Operating temperature 0 ~ +55 °C</p> <p>Dimensions (W x H x D) 130 x 120 x 20 mm</p> <p>Weight (without battery) 0.140 kg</p> <p>Data sheet A6V10061890, A6V10061894, A6V10061898</p> |

# Intrusion Panels

## SI Accessories

### Communication Modules



Type

Order No.

SMN43

#### SiPlus IP/GSM GPRS-Interface board



The SMN43 IP/GSM(GPRS) interface connects the SI4xx, SI340, SI22x and SI12x to the IP and GSM (GPRS) network and is easily plugged on the control unit main PCB. It supports the various different remote applications such as alarm transmission, configuration, maintenance, system control or monitoring (depending on control unit type). The GPRS path is used for IP alarm transmission backup. In addition, the events can also be transmitted as SMS to a mobile phone.

S24243-A3203-A2

|                              |  |
|------------------------------|--|
| Supply                       | Via main circuit board (12 VDC terminals in SI12x)                                       |
| Current consumption          | Typical: 220 mA / 300 mA (at 12 V, without/with SMS or GPRS transmission)                |
| Communication protocol       | Events: ASTM UDP/IP (Contact ID, CESA) or SUPELPRO TCP/IP (Contact ID, CESA), SMS        |
| Compatibility                | SI4xx/SI34x (>= Rel F9-22), SI22x/SI12x (>= Rel A8)                                      |
| Configuration                | Network: DHCP client or manually, Module: Via embedded web server or Sylcom (SI4xx only) |
| Number of on-board relays    | 3 single-pole, 24 V / 2 A (switching power)  |
| Interfaces                   | 1 IP (RJ45, 10-BaseT) 2 RS232 @57.6kB (J6/J1)  |
| Transmitter/receiver antenna | GSM antenna max length: 2 m / SMA connector  |
| Operating voltage            | 10.5 ~ 15 VDC  |
| Operating temperature        | 0 ~ +55 °C   |
| Dimensions (W x H x D)       | 130 x 120 x 20 mm  |
| Weight (without battery)     | 0.150 kg   |
| Data sheet                   | A6V10061890, A6V10061894, A6V10061898  |



**Can we increase branch security without compromising the customer experience?**

**Can security really improve our competitiveness?**

**With interoperable access control, intrusion detection and video surveillance systems designed for a holistic bank security.**

From ATMs to branches, data centres and entire bank networks, interoperable security systems provide local and centralised management of alarms and access events, backed up with live or recorded video monitoring and bank transaction data – all integrated into existing IT infrastructures. The resulting enterprise-wide security intelligence reduces losses due to theft, fraud or business disruptions and provides a safer banking environment for all – with a positive impact on compliance, operational performance and competitiveness. [www.siemens.com/interoperability](http://www.siemens.com/interoperability)

**Answers for infrastructure.**

**SIEMENS**

# Intrusion Panels

## SI Accessories

### E-Bus Components



#### Type

#### Order No.

#### SMG71



#### Card reader E-Bus interface

The SMG71 is used to connect Wiegand readers to the Sintony® 410/420. It is possible to connect up to 2 card readers with Wiegand protocol to each module. Each module is equipped with 4 outputs and 2 inputs. Up to 32 SMG71 units can be connected to the Sintony 410/420. It is installed in the control panel housing, in the external supply or in the universal housing unit SAH24.

|                                 |                         |
|---------------------------------|-------------------------|
| Supply                          | Via E-Bus               |
| Current consumption: minimum    | 11 mA                   |
| Current consumption: maximum    | 35 mA                   |
| Card readers protocols accepted | Wiegand and ABA Track 2 |
| Number of card reader           | Max. 2 per interface    |
| Operating temperature           | -10 ~ +55° C            |
| Housing protection              | IP30                    |
| Dimensions (W x H x D)          | 156 x 55 x 20 mm        |
| Weight                          | 0.120 kg                |
| Data sheet                      | A6V10061898             |

BPZ:8006600001

#### SAG91



#### E-Bus concentrator

The SAG91 can be used to increase the number of conventional inputs in the SI410/420. A single system can manage 4 SAG91 units and each extension allows for connecting 20 SAT12 or SMT12 modules.



|                              |                  |
|------------------------------|------------------|
| Supply                       | Via E-Bus        |
| Current consumption: minimum | 11 mA            |
| Current consumption: maximum | 40 mA            |
| Operating temperature        | -10 ~ +55° C     |
| Housing protection           | IP30             |
| Dimensions (W x H x D)       | 135 x 86 x 27 mm |
| Weight                       | 0.130 kg         |
| Data sheet                   | A6V10061898      |

BPZ:8009740001

## Intrusion Panels

### SI Accessories

### E-Bus Components

| Type   | Order No.   |                   |                              |       |                              |       |                       |                     |                 |         |                    |                |                        |                  |                       |              |                    |                                       |                  |     |                    |            |                        |                  |        |       |        |          |                     |   |            |                                  |  |
|--|---|-------------------|------------------------------|-------|------------------------------|-------|-----------------------|---------------------|-----------------|---------|--------------------|----------------|------------------------|------------------|-----------------------|--------------|--------------------|---------------------------------------|------------------|-----|--------------------|------------|------------------------|------------------|--------|-------|--------|----------|---------------------|---|------------|----------------------------------|--|
| <b>IEGW6-12</b><br><br>   | <b>S54554-F102-A100</b>   |                   |                              |       |                              |       |                       |                     |                 |         |                    |                |                        |                  |                       |              |                    |                                       |                  |     |                    |            |                        |                  |        |       |        |          |                     |   |            |                                  |  |
| <p><b>SiWay/Si2Way E-Bus gateway</b></p> <p>All Intrunet wireless devices and peripherals can be used with SI Series panels, thanks to the IEGW6-12 SiWay/Si2Way E-Bus gateway. This small and discreet gateway can be connected to the panel's field bus (E-Bus); one gateway can support up to 12 wireless detectors / actuators (with a maximum of 2 actuators), plus up to 7 remote controls. The maximum number of gateways per system is panel-dependent:</p> <ul style="list-style-type: none"> <li>-max. 1 gateway per SI120 system</li> <li>-max. 3 gateways per SI220 system</li> <li>-max. 4 gateways per SI410/420 system</li> </ul> <p>The IEGW6-12 comes in a standard tamper-protected SAT12 box. It is powered directly from the E-Bus, and offers advanced wireless features such as 'Radio Signal Strength Indication', and 'Jamming Detection' for enhanced communication reliability. For more information about compatibility with specific versions of panels and firmware, please refer to the IEGW6-12 installation and configuration manual.</p> <table border="0"> <tr> <td>Power supply</td> <td>12 VDC: via E-bus</td> </tr> <tr> <td>Current consumption: maximum</td> <td>61 mA</td> </tr> <tr> <td>Current consumption: minimum</td> <td>29 mA</td> </tr> <tr> <td>Wireless module range</td> <td>300 m in open space</td> </tr> <tr> <td>Radio frequency</td> <td>868 MHz</td> </tr> <tr> <td>Wireless protocol</td> <td>SiWay / Si2Way</td> </tr> <tr> <td>Storage temperature</td> <td>-20 ~ +70 °C</td> </tr> <tr> <td>Operating temperature</td> <td>-10 ~ +50 °C</td> </tr> <tr> <td>Humidity (EN60721)</td> <td>&lt;85% r.h., non condensing</td> </tr> <tr> <td>Housing material</td> <td>ABS</td> </tr> <tr> <td>Housing protection</td> <td>IP41, IK02</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>133 x 86 x 28 mm</td> </tr> <tr> <td>Colour</td> <td>White</td> </tr> <tr> <td>Weight</td> <td>0.100 kg</td> </tr> <tr> <td>Standard / approval</td> <td>The product meets the requirement of the following directives:<br/>EN61000-6-3, EN55022 Class B, EN50130-4, EN60950-1, EN300-220-2</td> </tr> <tr> <td>Data sheet</td> <td>Installation manual: A6V10243633</td> </tr> </table> | Power supply  | 12 VDC: via E-bus | Current consumption: maximum | 61 mA | Current consumption: minimum | 29 mA | Wireless module range | 300 m in open space | Radio frequency | 868 MHz | Wireless protocol  | SiWay / Si2Way | Storage temperature    | -20 ~ +70 °C     | Operating temperature | -10 ~ +50 °C | Humidity (EN60721) | <85% r.h., non condensing             | Housing material | ABS | Housing protection | IP41, IK02 | Dimensions (W x H x D) | 133 x 86 x 28 mm | Colour | White | Weight | 0.100 kg | Standard / approval | The product meets the requirement of the following directives:<br>EN61000-6-3, EN55022 Class B, EN50130-4, EN60950-1, EN300-220-2 | Data sheet | Installation manual: A6V10243633 |  |
| Power supply   | 12 VDC: via E-bus   |                   |                              |       |                              |       |                       |                     |                 |         |                    |                |                        |                  |                       |              |                    |                                       |                  |     |                    |            |                        |                  |        |       |        |          |                     |   |            |                                  |  |
| Current consumption: maximum   | 61 mA   |                   |                              |       |                              |       |                       |                     |                 |         |                    |                |                        |                  |                       |              |                    |                                       |                  |     |                    |            |                        |                  |        |       |        |          |                     |   |            |                                  |  |
| Current consumption: minimum   | 29 mA   |                   |                              |       |                              |       |                       |                     |                 |         |                    |                |                        |                  |                       |              |                    |                                       |                  |     |                    |            |                        |                  |        |       |        |          |                     |   |            |                                  |  |
| Wireless module range  | 300 m in open space   |                   |                              |       |                              |       |                       |                     |                 |         |                    |                |                        |                  |                       |              |                    |                                       |                  |     |                    |            |                        |                  |        |       |        |          |                     |   |            |                                  |  |
| Radio frequency  | 868 MHz   |                   |                              |       |                              |       |                       |                     |                 |         |                    |                |                        |                  |                       |              |                    |                                       |                  |     |                    |            |                        |                  |        |       |        |          |                     |   |            |                                  |  |
| Wireless protocol  | SiWay / Si2Way  |                   |                              |       |                              |       |                       |                     |                 |         |                    |                |                        |                  |                       |              |                    |                                       |                  |     |                    |            |                        |                  |        |       |        |          |                     |   |            |                                  |  |
| Storage temperature  | -20 ~ +70 °C  |                   |                              |       |                              |       |                       |                     |                 |         |                    |                |                        |                  |                       |              |                    |                                       |                  |     |                    |            |                        |                  |        |       |        |          |                     |   |            |                                  |  |
| Operating temperature  | -10 ~ +50 °C  |                   |                              |       |                              |       |                       |                     |                 |         |                    |                |                        |                  |                       |              |                    |                                       |                  |     |                    |            |                        |                  |        |       |        |          |                     |   |            |                                  |  |
| Humidity (EN60721)   | <85% r.h., non condensing   |                   |                              |       |                              |       |                       |                     |                 |         |                    |                |                        |                  |                       |              |                    |                                       |                  |     |                    |            |                        |                  |        |       |        |          |                     |   |            |                                  |  |
| Housing material   | ABS   |                   |                              |       |                              |       |                       |                     |                 |         |                    |                |                        |                  |                       |              |                    |                                       |                  |     |                    |            |                        |                  |        |       |        |          |                     |   |            |                                  |  |
| Housing protection   | IP41, IK02  |                   |                              |       |                              |       |                       |                     |                 |         |                    |                |                        |                  |                       |              |                    |                                       |                  |     |                    |            |                        |                  |        |       |        |          |                     |   |            |                                  |  |
| Dimensions (W x H x D)   | 133 x 86 x 28 mm  |                   |                              |       |                              |       |                       |                     |                 |         |                    |                |                        |                  |                       |              |                    |                                       |                  |     |                    |            |                        |                  |        |       |        |          |                     |   |            |                                  |  |
| Colour   | White   |                   |                              |       |                              |       |                       |                     |                 |         |                    |                |                        |                  |                       |              |                    |                                       |                  |     |                    |            |                        |                  |        |       |        |          |                     |   |            |                                  |  |
| Weight   | 0.100 kg  |                   |                              |       |                              |       |                       |                     |                 |         |                    |                |                        |                  |                       |              |                    |                                       |                  |     |                    |            |                        |                  |        |       |        |          |                     |   |            |                                  |  |
| Standard / approval  | The product meets the requirement of the following directives:<br>EN61000-6-3, EN55022 Class B, EN50130-4, EN60950-1, EN300-220-2 |                   |                              |       |                              |       |                       |                     |                 |         |                    |                |                        |                  |                       |              |                    |                                       |                  |     |                    |            |                        |                  |        |       |        |          |                     |   |            |                                  |  |
| Data sheet   | Installation manual: A6V10243633  |                   |                              |       |                              |       |                       |                     |                 |         |                    |                |                        |                  |                       |              |                    |                                       |                  |     |                    |            |                        |                  |        |       |        |          |                     |   |            |                                  |  |
| <b>SAR11</b><br><br>  | <b>BPZ:8000990001</b>   |                   |                              |       |                              |       |                       |                     |                 |         |                    |                |                        |                  |                       |              |                    |                                       |                  |     |                    |            |                        |                  |        |       |        |          |                     |   |            |                                  |  |
| <p><b>Isolator/repeater E-Bus in housing</b></p> <p>The SAR11 isolator can be used to divide the incoming E-Bus into two independent, electrically separated supply wards. In addition to this, the E-Bus signals can be received over great distances with this module.</p> <table border="0"> <tr> <td>Power supply</td> <td>Via E-Bus</td> </tr> <tr> <td>Current consumption: minimum</td> <td>41 mA</td> </tr> <tr> <td>Current consumption: maximum</td> <td>69 mA</td> </tr> <tr> <td>Operating temperature</td> <td>-10 ~ +55 °C</td> </tr> <tr> <td>Housing</td> <td>ABS</td> </tr> <tr> <td>Housing protection</td> <td>IP30</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>135 x 86 x 27 mm</td> </tr> <tr> <td>Weight</td> <td>0.130 kg</td> </tr> <tr> <td>Data sheet</td> <td>A6V10061890, A6V10061894, A6V10061898</td> </tr> </table>   | Power supply  | Via E-Bus         | Current consumption: minimum | 41 mA | Current consumption: maximum | 69 mA | Operating temperature | -10 ~ +55 °C        | Housing         | ABS     | Housing protection | IP30           | Dimensions (W x H x D) | 135 x 86 x 27 mm | Weight                | 0.130 kg     | Data sheet         | A6V10061890, A6V10061894, A6V10061898 |                  |     |                    |            |                        |                  |        |       |        |          |                     |   |            |                                  |  |
| Power supply   | Via E-Bus   |                   |                              |       |                              |       |                       |                     |                 |         |                    |                |                        |                  |                       |              |                    |                                       |                  |     |                    |            |                        |                  |        |       |        |          |                     |   |            |                                  |  |
| Current consumption: minimum   | 41 mA   |                   |                              |       |                              |       |                       |                     |                 |         |                    |                |                        |                  |                       |              |                    |                                       |                  |     |                    |            |                        |                  |        |       |        |          |                     |   |            |                                  |  |
| Current consumption: maximum   | 69 mA   |                   |                              |       |                              |       |                       |                     |                 |         |                    |                |                        |                  |                       |              |                    |                                       |                  |     |                    |            |                        |                  |        |       |        |          |                     |   |            |                                  |  |
| Operating temperature  | -10 ~ +55 °C  |                   |                              |       |                              |       |                       |                     |                 |         |                    |                |                        |                  |                       |              |                    |                                       |                  |     |                    |            |                        |                  |        |       |        |          |                     |   |            |                                  |  |
| Housing  | ABS   |                   |                              |       |                              |       |                       |                     |                 |         |                    |                |                        |                  |                       |              |                    |                                       |                  |     |                    |            |                        |                  |        |       |        |          |                     |   |            |                                  |  |
| Housing protection   | IP30  |                   |                              |       |                              |       |                       |                     |                 |         |                    |                |                        |                  |                       |              |                    |                                       |                  |     |                    |            |                        |                  |        |       |        |          |                     |   |            |                                  |  |
| Dimensions (W x H x D)   | 135 x 86 x 27 mm  |                   |                              |       |                              |       |                       |                     |                 |         |                    |                |                        |                  |                       |              |                    |                                       |                  |     |                    |            |                        |                  |        |       |        |          |                     |   |            |                                  |  |
| Weight   | 0.130 kg  |                   |                              |       |                              |       |                       |                     |                 |         |                    |                |                        |                  |                       |              |                    |                                       |                  |     |                    |            |                        |                  |        |       |        |          |                     |   |            |                                  |  |
| Data sheet   | A6V10061890, A6V10061894, A6V10061898   |                   |                              |       |                              |       |                       |                     |                 |         |                    |                |                        |                  |                       |              |                    |                                       |                  |     |                    |            |                        |                  |        |       |        |          |                     |   |            |                                  |  |

Intrusion Panels  
SI Accessories  
E-Bus Components



Type

Order No.

SMR11

**Isolator/repeater E-Bus board**

BPZ:8001090001



|                              |  |
|------------------------------|--|
| Power supply                 | Via E-Bus                                |
| Current consumption: minimum | 41 mA                                    |
| Current consumption: maximum | 69 mA                                    |
| Operating temperature        | -10 ~ +55 °C                             |
| Housing                      | ABS                                      |
| Housing protection           | IP30                                     |
| Dimensions (W x H x D)       | 90 x 52 x 20 mm                          |
| Weight                       | 0.050 kg                                 |
| Data sheet                   | A6V10061890, A6V10061894,<br>A6V10061898 |

SMR13VDS

**Isolator/repeater E-Bus board, VdS**

BPZ:8003900001



|                              |                  |
|------------------------------|------------------|
| Power supply                 | Via E-bus        |
| Current consumption: minimum | 15 mA            |
| Current consumption: maximum | 35 mA            |
| Operating temperature        | -10 ~ +55 °C     |
| Housing                      | ABS              |
| Housing protection           | IP30             |
| Dimensions (W x H x D)       | 135 x 86 x 27 mm |

SAT12

**Transponder in housing**

BPZ:8006150001



Sintony control panel extension by 4 programmable inputs and 2 output via the E-Bus. 2 of these inputs can be used to connect glass break detectors.

|                              |  |
|------------------------------|--|
| Power supply                 | Via E-Bus                                |
| Current consumption: minimum | 7 mA                                     |
| Current consumption: maximum | 15 mA                                    |
| Operating temperature        | -10 ~ +55 °C                             |
| Housing protection           | IP30                                     |
| Dimensions (W x H x D)       | 135 x 86 x 27 mm                         |
| Weight                       | 0.130 kg                                 |
| Data sheet                   | A6V10061890, A6V10061894,<br>A6V10061898 |

SMT12

**Transponder board only**

BPZ:8006160001



|                        |  |
|------------------------|--|
| Dimensions (W x H x D) | 90 x 52 x 20 mm                          |
| Weight                 | 0.050 kg                                 |
| Data sheet             | A6V10061890, A6V10061894,<br>A6V10061898 |

# Intrusion Panels

## SI Accessories

### E-Bus Components

Type

Order No.

SMT44



#### Output transponder board only

This module is used to extend the center by 8 additional outputs (4 OCs and 4 relays). It is installed in the control panel housing, in the external supply or in the universal housing unit SAH24.

|                                 |  |
|---------------------------------|--|
| Power supply                    | Via E-bus                                |
| Current consumption: minimum    | 42 mA                                    |
| Current consumption: maximum    | 66 mA                                    |
| Output types: 4 open collectors | 12 VDC / 150 mA                          |
| Output types: 4 relays          | 24 VDC / 2 A                             |
| Operating temperature           | -10 ~ +55 °C                             |
| Housing protection              | IP30                                     |
| Dimensions (W x H x D)          | 156 x 55 x 20 mm                         |
| Weight                          | 0.090 kg                                 |
| Data sheet                      | A6V10061890, A6V10061894,<br>A6V10061898 |

BPZ:8006730001

SAP14



#### Power supply in housing 12 VDC / 1.3 A

The external power supply SAP14 includes a bus-monitored 12 VDC / 1.3 A supply. 4 secured 12V outputs and a freely programmable relay output with 48V/5A. The housing includes additional space for 4 SMT12/SMR11 modules and either a 17 Ah battery or a 7.2 Ah battery with 2 SMX13 releay cards.

|                             |  |
|-----------------------------|--|
| Mains                       | 230 V / + 10%/- 15% / 50 Hz              |
| Current consumption (230 V) | 160 mA                                   |
| Mains fuse                  | 200 mA slow                              |
| Output voltage              | 12 VDC / 1.3 A                           |
| Relay contact, single pole  | 48 V / 5 A                               |
| Battery (optional)          | Max. 12 V / 17 Ah                        |
| Operating temperature       | 0 ~ +40 °C                               |
| Housing material            | Painted steel, 1.5 mm thick              |
| Housing protection          | IP30                                     |
| Dimensions (W x H x D)      | 303 x 405 x 88 mm                        |
| Weight (without battery)    | 5.400 kg                                 |
| Data sheet                  | A6V10061890, A6V10061894,<br>A6V10061898 |

BPZ:8003160001



# Intrusion Panels

## SI Accessories

### E-Bus Components



Type

Order No.

SAP20

#### Power supply in housing 12 VDC / 2.3 A

The external power supply SAP20 includes a bus-monitored 12 VDC / 2.3 A supply, 4 secured 12V outputs and a freely programmable relay output with 48V/5A. The housing includes additional space for 7 SMT12/SMR11 modules and either a 27 Ah battery or a 7.2 Ah battery with 2 SMX13 relay cards.



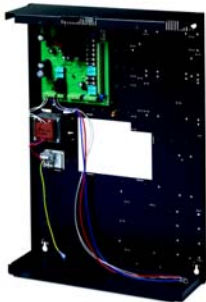
|                             |                                       |
|-----------------------------|---------------------------------------|
| Mains                       | 230 V / + 10%/- 15% / 50 Hz           |
| Current consumption (230 V) | 230 mA                                |
| Mains fuse                  | 500 mA slow                           |
| Output voltage              | 12 VDC / 2.3 A                        |
| Relay contact, SPDT         | 48 V / 5 A                            |
| Battery (optional)          | Max. 12 V / 27 Ah                     |
| Operating temperature       | 0 ~ +40 °C                            |
| Housing material            | Painted steel, 1.5 mm thick           |
| Housing protection          | IP30                                  |
| Dimensions (W x H x D)      | 365 x 505 x 133 mm                    |
| Weight (without battery)    | 8.400 kg                              |
| Data sheet                  | A6V10061890, A6V10061894, A6V10061898 |

BPZ:8006880001

SAP25

#### Power supply in housing 12 VDC / 2.3 A

The powersupply SAP25 provides 12 VDC / 2.3 A to supply the E-bus as well as the 4 separately fused 12 VDC outputs. 8 additional inputs and 5 programmable outputs are also available. The housing provides space for a 12 V / 27 Ah battery and 4 SMT12 / SMR11 boards and 2 SMX13 modules.



|                             |                                  |
|-----------------------------|----------------------------------|
| Mains                       | 230 V / + 10%/- 15% / 50 Hz      |
| Current consumption (230 V) | 230 mA                           |
| Mains fuse                  | 500 mA slow                      |
| Output voltage              | 12 VDC / 2.3 A                   |
| Relay contact, SPDT         | 48 V / 5 A                       |
| Open collector output       | 12 V / 100 mA                    |
| 3 supervised relay contacts | 12 V / 1 A                       |
| Programmable inputs         | 8                                |
| EOL resistor                | 4.7 kOhm                         |
| Battery (optional)          | 12 Vdc / 27 Ah                   |
| Operating temperature       | 0°C ~ +50° C                     |
| Housing material            | Painted steel, 1.5 mm thick      |
| Housing protection          | IP30                             |
| Dimensions (W x H x D)      | 395 x 555 x 133 mm               |
| Weight (without battery)    | 9.900 kg                         |
| Country                     | For Germany and Switzerland only |

BPZ:8002930001



How can I get into my office  
at this time of night?

---

Using interoperable access control, intrusion detection  
and video surveillance systems.

Access control rights allow you in, then the CCTV cameras trigger to start recording as you walk through, the PIR zones are also deactivated in just the area you have access – all displayed and controlled via one screen. [www.siemens.com/interoperability](http://www.siemens.com/interoperability)

Answers for infrastructure.

**SIEMENS**

# Intrusion Panels

## SI Accessories

### Optional Modules



Type

Order No.

SML21

#### PSTN line supervision module

This optional module has been designed for SI220 and SI410/420 to allow permanent voltage and current monitoring of the PSTN telephone line.



Dimensions (W x H x D) 50 x 31 x 20 mm  
Weight 0.020 kg

BPZ:8000530001

SMV11

#### Voice module

The SMV11 stores 6 alarm messages, 4 help messages and an identification message, which can be record individually with the integrated microphone.



Power supply From main circuit board  
Current consumption 3 mA (quiescent state)  
23 mA (activated)  
Operating temperature 0 ~ +40 °C  
Dimensions (W x H x D) 106 x 60 x 26 mm  
Weight 0.060 kg  
Data sheet A6V10061890, A6V10061894,  
A6V10061898

BPZ:8000440001

SMX13

#### Relay module

The SMX13 has 2 potential-free relays with a change-over contact.



Relay outputs 2  
- electrical characteristics Max. 24 VDC / 2 A  
Relay outputs: type SPDT (change-over)  
Operating temperature -10 ~ +55 °C  
Dimensions (W x H x D) 60 x 38 x 40 mm  
Weight 0.030 kg

BPZ:8009180001

SMX23

#### Battery supervision module for SI120/SI220

This optional module is only applicable for country versions which have this control panel option enabled.



Test interval for battery 1 minute (supervision)  
Dimensions (W x H x D) 60 x 38 x 15 mm  
Weight 0.030 kg




BPZ:8003400001

9

## Intrusion Panels

### SI Accessories

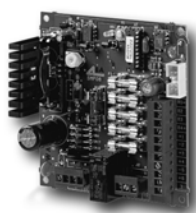
### Optional Modules

| Type  | Order No.  |         |                         |                        |                 |        |          |
|---|--|---------|-------------------------|------------------------|-----------------|--------|----------|
| SMX26   | BPZ:8000330001   |         |                         |                        |                 |        |          |
|    | <p><b>Low battery cut-off module</b></p> <p>This optional module can be used on all Sintony® control panels and enables a low battery cut-off feature.</p> <table border="0"> <tr> <td>Battery</td> <td>9,5 VDC (cut off level)</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>60 x 38 x 15 mm</td> </tr> <tr> <td>Weight</td> <td>0.030 kg</td> </tr> </table> | Battery | 9,5 VDC (cut off level) | Dimensions (W x H x D) | 60 x 38 x 15 mm | Weight | 0.030 kg |
| Battery   | 9,5 VDC (cut off level)  |         |                         |                        |                 |        |          |
| Dimensions (W x H x D)  | 60 x 38 x 15 mm  |         |                         |                        |                 |        |          |
| Weight  | 0.030 kg   |         |                         |                        |                 |        |          |
| SAQ11   | BPZ:8001960001   |         |                         |                        |                 |        |          |
|    | <p><b>PC/Printer cable</b></p> <p>Serial cable for the online connection between PC and control panel. This cable can also be used to activate a protocol printer.</p>   |         |                         |                        |                 |        |          |
| SAQ18   | BPZ:8006410001   |         |                         |                        |                 |        |          |
|  | <p><b>X25 cable</b></p> <p>This cable is used to connect the control unit to an X25 gateway in order to communicate on the X25 network (serial port - bidirectional link).</p>   |         |                         |                        |                 |        |          |





Intrusion Panels  
SI Accessories  
Spare Parts



| Type    |   | Order No.      |
|---------|---|----------------|
| SM110   | Main board for SI110 without EPROM            | BPZ:8006960001 |
| SM110D  | PCB for SI110 with EPROM Germany              | BPZ:8000470001 |
| SM120   | Main board for SI120 without EPROM            | BPZ:8008340001 |
| SM210   | Main board for SI210 without EPROM            | BPZ:8007030001 |
| SM210D  | PCB for SI210 with EPROM Germany              | BPZ:8000290001 |
| SM220   | Main board for SI220 without EPROM            | BPZ:8008430001 |
| SM320DE | PCB for SI320D with EPROM Germany             | A6E80118620    |
| SM410   | Main board for SI410 without software         | BPZ:8007040001 |
| SM410D  | PCB for SI410 with software for Germany       | BPZ:8005290001 |
| SM410F  | Main board for SI410 with software for France | BPZ:8005140001 |
| SMP08   | Power supply board 12 VDC / 0.7 A             | BPZ:8003610001 |



**Intrusion Panels**  
**SI Accessories**  
**Spare Parts**

| Type  | Order No.      |
|---|----------------|
| <p>SMP14                      Power supply board 12 VDC / 1.3 A</p>    | BPZ:8002640001 |
| <p>SMP20                      Power supply board 12 VDC / 2.3 A</p>   | BPZ:8006750001 |
| <p>SMP25                      Power supply board 12 VDC / 2.3 A</p>    | BPZ:8002800001 |
| <p>SAH24                      Housing for transponder and gateway PCB's</p> <p>The SAH24 provides space for 2 PCB's with dimension 90 x 52 mm (eg. SMT12) or 1 PCB with dimension 156 x 55 mm (eg. SMG71 or SMT44)</p> <p>Housing                                      ABS</p> <p>Dimensions (W x H x D)                      215 x 130 x 35 mm</p>  | BPZ:8004370001 |

# Intrusion Panels

## SI Accessories

### Spare Parts



Type

Order No.

SMU21

**Transformer 20 V / 0.8 A**

Spare part for Sintony® 110/210 panels and SAP08.



BPZ:8003740001

SMU22

**Transformer 19 V / 1.5 A**

Spare part for Sintony® 120 / 220 panels and SAP14



BPZ:8010240001

SMU31

**Transformer 20 V / 2.5 A**

Spare part for Sintony® 300/400 panels and SAP20/25

BPZ:8003870001

SMY11

**Spacer**

Spare part for metallic housings. Set of 10 pcs.



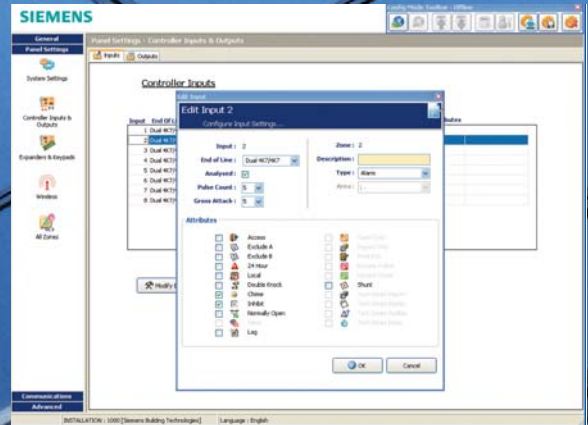
BPZ:8003450001

# Intrunet SPC series

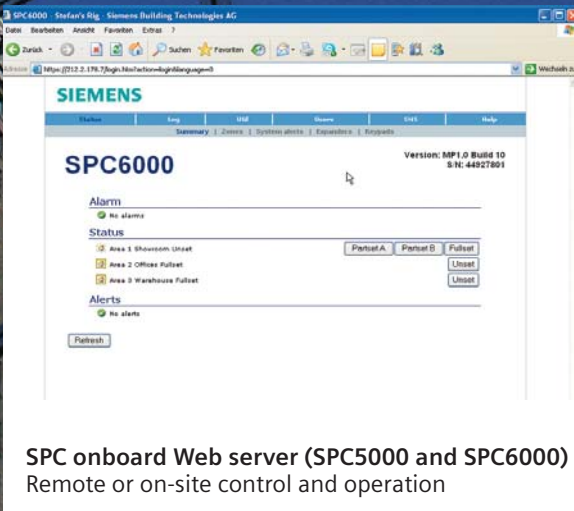
Advanced connectivity and functionality ...



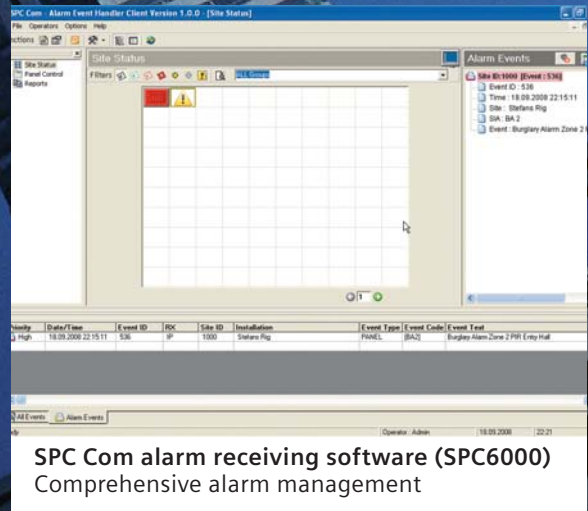
**SPC Fast Programmer**  
Easy configuration back-up or transfer



**SPC Pro programming software**  
Remote or on-site programming and maintenance



**SPC onboard Web server (SPC5000 and SPC6000)**  
Remote or on-site control and operation



**SPC Com alarm receiving software (SPC6000)**  
Comprehensive alarm management

... for simple system planning, configuration and operation.



# Intrusion Panels



## Intrunet SPC series – advanced security for a connected world

The SPC series are true hybrid intrusion systems (designed to meet EN 50131 standards) that combine a cost-effective design and installation concept with unmatched flexibility and scalability up to 512 zones (with up to 120 wireless zones).

A common range of system components can be mixed and matched to expand the system and connect detectors and peripherals from the comprehensive Intrunet™ wired and wireless\* range. Straightforward system commissioning is achieved thanks to a powerful suite of configuration tools and a high-speed/high-length expander bus with loop topology for high fault tolerance. The common 'look & feel' across the hardware, configuration software and operational devices facilitate installation and set up and make operation very intuitive. With advanced functionality for applications of all sizes and criticality, and with ample room for expansions or upgrades.

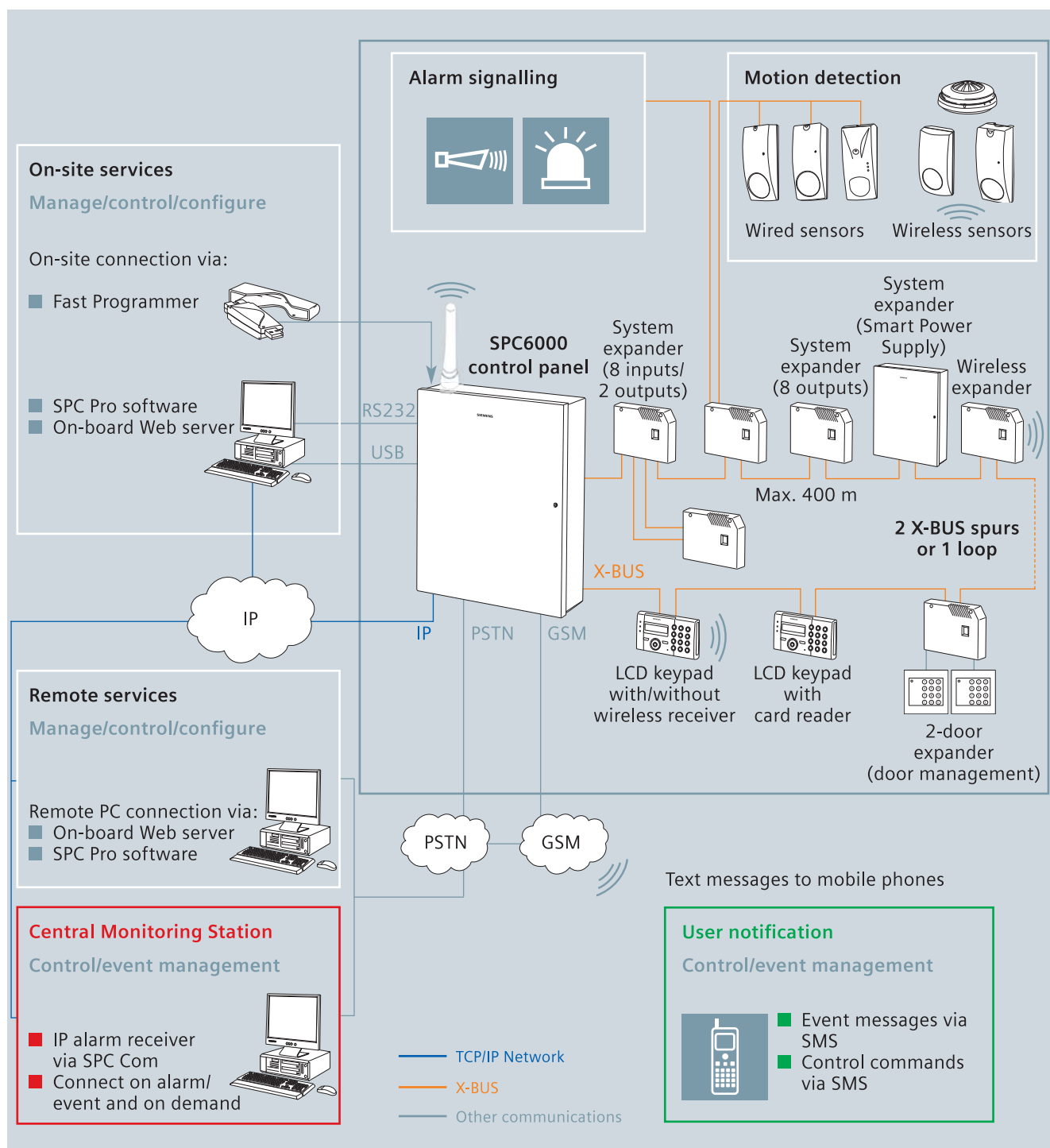
- Individual management (up to 512 users)
- True system partitioning (up to 32 areas)
- Advanced door control (up to 32 entry/exit doors)\*
- Event log (up to 10,000 intrusion/10,000 access events)
- Remote/on-site programming (embedded Web server on high-end models)
- Full connectivity with tri-path communications

\* Intrunet wireless portfolio support and advanced door control available in Q3/2009.

# Intrusion Panels

## SPC Control Panels

### System Schematics



# Intrusion Panels

## SPC Control Panels

### Product Overview



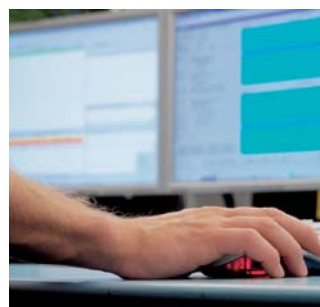
| Controllers                  | SPC4120  | SPC5220  | SPC5230                | SPC6320   | SPC6330                |
|------------------------------|--|--|------------------------|---|------------------------|
|                              |  |  |                        |   |                        |
| Hard-wired zones (max.)      | 8 to 32  | 8 to 128   |                        | 8 to 512  |                        |
| Wireless zones (max.)        | 32   | 120  |                        | 120   |                        |
| Programmable outputs (max.)  | 6 to 30  | 6 to 128   |                        | 6 to 512  |                        |
| Number of areas (max.)       | 4  | 16   |                        | 32  |                        |
| Number of doors (max.)       |  | 16 entry-exit/16 entry                           |                        | 32 entry-exit/64 entry                            |                        |
| Number of users (max.)       | 32   | 256  |                        | 512   |                        |
| Field bus                    | 1 X-BUS interface (1 spur)   | 2 X-BUS interfaces (2 spurs or 1 loop)           |                        | 2 X-BUS interfaces (2 spurs or 1 loop)            |                        |
| X-BUS devices (max.)         | 7<br>(3 expanders + 4 keypads)   | 48<br>(16 expanders + 16 keypads + 16 door exp.) |                        | 128<br>(64 expanders + 32 keypads + 32 door exp.) |                        |
| Calendars                    |  | 64   |                        | 64  |                        |
| "Cause & Effect" programming |  | Yes  |                        | Yes   |                        |
| Event memory                 | 500 log events   | 10,000 intrusion and 10,000 access events        |                        | 10,000 intrusion and 10,000 access events         |                        |
| Ethernet                     |  |  |                        | On-board  |                        |
| Embedded Web server          |  | HTTPS  |                        | HTTPS   |                        |
| Language                     | Single   | Multiple   |                        | Multiple  |                        |
| Fast Programmer              | Supported  |  |                        |   |                        |
| Operating voltage            | 230 V AC, +10 to -15%, 50 Hz   |  |                        |   |                        |
| Current consumption          | Max. 100 mA (at 230 V AC)  | Max. 160 mA (at 230 V AC)                        |                        | Max. 200 mA (at 230 V AC)                         |                        |
| Auxiliary power              | 1 output with max. 750 mA (at 12 V DC) on integrated PSU on controller PCB |  |                        |   |                        |
| Battery (optional)           | Max. 7 AH/12 V   | Max. 7 AH/12 V                                   | Max. 17 AH/12 V        | Max. 7 AH/12 V                                    | Max. 17 AH/12 V        |
| Housing                      | Small metal enclosure  | Small metal enclosure                            | Hinged metal enclosure | Small metal enclosure                             | Hinged metal enclosure |
| Security grade               | EN 50131 Grade 2   | EN 50131 Grade 2                                 | EN 50131 Grade 3       | EN 50131 Grade 2                                  | EN 50131 Grade 3       |

10

Comprehensive range of controllers with remote connectivity over all communication channels



Remote connection to an Alarm Receiving Centre on demand or following events





Remote event management and system control via SMS









# Intrusion Panels

## SPC Control Panels

### Product Overview

| Keypads             | SPCK420   | SPCK421   | SPCK422   |
|---------------------|---|---|---|
|                     |  |  |  |
| Type                | Wired LCD keypad  | Wired LCD keypad with card reader   | Wired LCD keypad with integrated wireless receiver                                  |
| LCD display         | 2 x 16 characters   |   |   |
| Card reader         |   | 125 kHz (EM4102 or compatible)  |   |
| Frequency           |   |   | 868 MHz   |
| Radio module        |   |   | SiWay RF receiver   |
| Operating voltage   | 9.5 – 14 VDC  |   |   |
| Current consumption | Min. 55 mA (at 12 V DC)<br>Max. 90 mA (at 12 V DC)                                | Min. 90 mA (at 12 V DC)<br>Max. 110 mA (at 12 V DC)                               | Min. 65 mA (at 12 V DC)<br>Max. 95 mA (at 12 V DC)                                  |
| Field bus           | X-BUS on RS-485 (307 kb/s)  |   |   |
| Housing             | Plastic enclosure (ABS)   |   |   |
| Security grade      | EN 50131 Grades 2–3   |   |   |





| Expanders              | SPCE650   | SPCE450   | SPCW130   | SPCA210  | SPCP332   | SPCP333   |
|------------------------|---|---|---|--|---|---|
|                        |  |  |  |  |  |  |
| Type                   | Expander with 8 inputs/2 outputs  | Expander with 8 outputs   | Wireless receiver expander  | 2-door expander  | Smart PSU (7 AH) with I/O-expander  | Smart PSU (17 AH) with I/O-expander   |
| Supervised alarm zones | 8   |   |   | 4  | 8   | 8   |
| Programmable outputs   | 2   | 8   |   | 2  | 2   | 2   |
| Card reader            |   |   |   | 2 (Wiegand 26 bit/<br>Clock&Data)  |   |   |
| Door capacity          |   |   |   | 1 entry/exit<br>or 2 entry   |   |   |
| Frequency              |   |   | 868 MHz   |  |   |   |
| Radio module           |   |   | SiWay RF receiver   |  |   |   |
| Operating voltage      | 9.5 – 14 V DC   |   |   |  | 230 V AC, +10 to –15%, 50 Hz  |   |
| Current consumption    | Min. 45 mA<br>Max. 80 mA<br>(at 12 V DC)  | Min. 55 mA<br>Max. 180 mA<br>(at 12 V DC)   | Min. 60 mA<br>Max. 60 mA<br>(at 12 V DC)  | Min. 45 mA<br>Max. 80 mA<br>(at 12 V DC)   | Max. 220 mA (at 230 V AC)   |   |
| Auxiliary power        |   |   |   |  | 2 outputs with max. 750 mA each<br>(at 12 V DC)                                       |   |
| Battery (optional)     |   |   |   |  | Max. 7 AH/12 V  | Max. 17 AH/12 V   |
| Field bus              | X-BUS on RS-485 (307 kb/s)  |   |   |  |   |   |
| Housing                | Plastic enclosure (ABS)   |   |   |  | Small metal enclosure   | Hinged metal enclosure  |
| Security grade         | EN 50131<br>Grades 2–3  | EN 50131<br>Grades 2–3  |   | EN 50131<br>Grades 2–3   | EN 50131 Grade 2  | EN 50131 Grade 3  |





# Intrusion Panels

## SPC Control Panels

### Product Overview



| Communicators and accessories | SPCN110   | SPCN310   | SPCW110   | SPCW101   |
|-------------------------------|---|---|---|---|
|                               |  |  |  |  |
| Type                          | PSTN module, V.90   | GSM module incl. antenna  | SiWay RF kit for panel  | External aerial kit   |
| Network connection            | PSTN<br>(analogue telephone network)  | GSM<br>(dual band)  |   |   |
| Frequency                     |   | 900/1800 MHz  | 868 MHz   | 868 MHz   |
| Radio module                  |   |   | SiWay RF receiver   |   |
| Cable length                  |   |   |   | 2 m   |
| Current consumption           | Min. 20 mA (at 12 V DC)<br>Max. 35 mA (at 12 V DC)                                | Min. 50 mA (at 12 V DC)<br>Max. 60 mA (at 12 V DC)                                | Min. 10 mA (at 12 V DC)<br>Max. 10 mA (at 12 V DC)                                  |   |
| Security grade                | EN 50131 Grades 2–3   | EN 50131 Grades 2–3   |   |   |

| Remote/on-site programming and operation | SPCX410  | SPCS310  | SPC Web server  | SPCS510   |
|--|--|--|---|---|
|  |   |   |    |    |
| Type                                     | SPC Fast Programmer  | SPC Pro programming software   | On-board Web server   | SPC Com alarm receiving software  |
| Availability                             | SPC4000<br>SPC5000<br>SPC6000  | SPC4000<br>SPC5000<br>SPC6000  | SPC5000<br>SPC6000  | SPC6000   |
| Key functionality                        | <ul style="list-style-type: none"> <li>– Save/back-up site configurations (store up to 100 configuration files)</li> <li>– Save default files (sites with static values) for future re-use</li> <li>– Retrieve/download firmware releases</li> </ul> | <p>Common engineering tool for SPC series for configuration, commissioning and maintenance:</p> <ul style="list-style-type: none"> <li>– Offline pre-configurations</li> <li>– On site (RS232/USB/IP)</li> <li>– Remote (PSTN/GSM/IP)</li> </ul> | <ul style="list-style-type: none"> <li>– Authenticated access</li> <li>– Graphical status representation with icons</li> <li>– Only the parameters and attributes of the configured devices and options are visible</li> <li>– Accessible via any PC with standard browser</li> </ul> | <ul style="list-style-type: none"> <li>– Provides full alarming chain, from detector to receiver</li> <li>– Supports integration of SPC6000 to ARC over IP (Standard SurGard serial interface protocol)</li> <li>– Simple interface to monitor and control a large panel park (status icon for each connected panel)</li> </ul> |
| Network connection                       |  | IP/RS232/USB   | IP/RS232/USB  | IP  |
| Connectors                               | USB to PC/10-pin socket to controller  |  |   |   |
| Memory                                   | 1 MB (max. 100 site configuration files)   | Min. 512 MB required   |   |   |

10

# Intrusion Panels

## SPC Control Panels

### SPC4000

Type

Order No.

SPC4120.200-L1

SPC control panel 8-32 zones, G2

S54541-C101-A100



The control panel SPC4120 supports expansion up to 32 zones (8 on-board), 30 outputs (6 on-board) and 4 system keypads. Each zone can be configured for different zone monitoring requirements with 4K7 resistors as standard, but does support other resistor values. The controller provides 1 X-BUS interfaces, 4 areas, 32 users with different access levels, dual signaling path with PSTN and GSM option, SMS over PSTN or GSM, 1'000 logged events. The panel comes in a tamper protected metal cabinet with space for optional 7AH battery and 1 additional expander and is designed to meet EN 50131 Grade 2 standard.

|                                |   |
|--------------------------------|---|
| Supply voltage                 | 230 VAC, +10 to -15 %, 50 Hz  |
| Current consumption            | 100 mA (230 VAC)  |
| Auxiliary power (nominal)      | Max. 750 mA (12 VDC)  |
| Battery                        | Optional  |
| Battery capacity               | Max. 7 Ah / 12 V  |
| Number of on-board zones       | 8   |
| Max. number of hardwired zones | 32  |
| Number of on-board open coll.  | Max. 4  |
| Number of on-board relays      | 1 strobe, 30 V / 1 A (resistive switching current)  |
| Max. number of outputs         | 30  |
| Programmable areas             | 4   |
| Number of remote controls      | Up to 32 (1 per user)   |
| Number of users                | 32  |
| Number of keypads              | Max. 4  |
| Interfaces                     | 1 x X-BUS (1 spur)<br>1 x RS232 (RJ45 ports, for X-10 or external communications)<br>1 x USB (PC connection for terminal program access)<br>1 x SPC Fast Programmer |
| Operating temperature          | +5 ~ +40 °C   |
| Dimensions (W x H x D)         | 264 x 357 x 81 mm   |
| Housing protection             | IP30  |
| Housing                        | Metal enclosure   |
| Weight (without battery)       | 4.500 kg  |
| Data sheet                     | A6V10209314   |

# Intrusion Panels

## SPC Control Panels

### SPC4000



#### Type

#### Order No.

SPC4120.300-L1

#### SPC control panel 8-32 zones, G2

S54541-C101-B100



The SPC4120.300 control panel supports expansion up to 32 zones (8 on-board), 30 outputs (6 on-board), 4 system keypads and complies with EN 50131 Grade 2 standard. Each zone can be configured for different zone monitoring requirements with 4K7 resistors as standard, but does support other resistor values. The controller provides 1 X-BUS interfaces, 4 areas, 32 users with different access levels, dual signalling path with PSTN and GSM option, logging of 500 events, X-10 home automation interface. The system is expandable with wireless modules and supports up to 32 Intrunet wireless detectors (mixed with wired zones) and 1 remote control per user. The panel comes in a tamper protected metal cabinet with space for optional 7AH battery and 1 additional Expander. Available from July 2009 onwards.

|                                |   |
|--------------------------------|---|
| Supply voltage                 | 230 VAC, +10 to -15 %, 50 Hz  |
| Current consumption            | 100 mA (230 VAC)  |
| Auxiliary power (nominal)      | Max. 750 mA (12 VDC)  |
| Battery                        | Optional  |
| Battery capacity               | Max. 7 Ah / 12 V  |
| Number of on-board zones       |   |
| Max. number of hardwired zones | 32  |
| Max. number of wireless zones  | Up to 32 wireless zones (take away wired zones)   |
| Portfolio of wireless devices  | See wireless detectors and peripherals  |
| Number of on-board open coll.  | Max. 4  |
| Number of on-board relays      | 1 strobe, 30 V / 1 A (resistive switching current)  |
| Max. number of outputs         | 30  |
| Programmable areas             | 4   |
| Number of remote controls      | Up to 32 (1 per user)   |
| Number of users                | 32  |
| Number of keypads              | Max. 4  |
| Interfaces                     | 1 x X-BUS (1 spur)<br>1 x RS232 (RJ45 ports, for X-10 or external communications)<br>1 x USB (PC connection for terminal program access)<br>1 x SPC Fast Programmer |
| Operating temperature          | +5 ~ +40 °C   |
| Dimensions (W x H x D)         | 264 x 357 x 81 mm   |
| Housing protection             | IP30  |
| Housing                        | Metal enclosure   |
| Weight (without battery)       | 4.500 kg  |
| Data sheet                     | A6V10238986   |

# Intrusion Panels

## SPC Control Panels

### SPC5000

| Type   | Order No.   |
|--|---|
| SPC52..  | SPC52..   |
| <b>SPC control panel 8-128 zones</b>   |   |
| <p>The SPC52.. control panel combines intrusion and access functionality in one system and can be expanded up to 128 zones (8 on-board), 128 outputs (6 on-board), 16 system keypads, 16 entry/exit doors and complies with EN 50131 Grade 2 or Grade 3 standard. Each zone can be configured for different zone monitoring requirements with 4K7 resistors as standard, but does support other resistor values. The controller provides 2 X-BUS interfaces (2 stubs or 1 loop), 16 areas, 256 users with different access levels, dual signalling path with PSTN and GSM options, Integral Web Server, logging of 10'000 intrusion and 10'000 access events, X-10 home automation interface. The system is expandable with wireless modules and supports up to 120 Intrunet wireless detectors (mixed with wired zones) and 1 remote control per user. The panel comes in a tamper protected and hinged metal cabinet with space for optional 17AH battery and 4 additional Expanders. Available with door control and wireless functionality from July 2009 onwards.</p> |   |
| Supply voltage   | 230 VAC, +10 to -15 %, 50 Hz  |
| Auxiliary power (nominal)  | Max. 750 mA (12 VDC)  |
| Current consumption  | Max. 160 mA (230 VAC)   |
| Battery  | Optional  |
| Number of on-board zones   | 8   |
| Max. number of hardwired zones   | 128   |
| Max. number of wireless zones  | 120 (take away wired zones)   |
| Portfolio of wireless devices  | See wireless detectors and peripherals  |
| Number of on-board open coll.  | 1 internal bell (max. 400 mA resistive),<br>1 external bell (max. 400 mA resistive),<br>3 general outputs (each max. 400 mA resistive, supplied via auxiliary output)               |
| Number of on-board relays  | 1 strobe, 30 V / 1 A (resistive switching current)  |
| Max. number of outputs   | 128   |
| Programmable areas   | 4   |
| Number of remote controls  | Up to 256 (1 per user)  |
| Number of users  | 256   |
| Number of keypads  | Max. 16   |
| Interfaces   | 2 x X-BUS (2 spurs or 1 loop),<br>2 x RS232 (RJ45 ports, for X-10 or external communication)<br>1 x USB (PC for browser programming / terminal program),<br>1 x SPC Fast Programmer |
| Operating temperature  | +5 ~ +40 °C   |
| Housing protection   | IP30  |



Intrusion Panels  
**SPC Control Panels**  
**SPC5000**



Type

Order No.

SPC5220.200-L1

**SPC control panel 8-128 zones, G2**

S54541-C102-A100

See SPC52.. for technical overview and note the additional / other specifications:



|                        |                   |
|------------------------|-------------------|
| Dimensions (W x H x D) | 264 x 357 x 81 mm |
| Battery capacity       | Max. 7 Ah / 12 V  |
| Housing                | Metal enclosure   |
| Weight                 | 4.500 kg          |
| Data sheet             | A6V10238974       |

SPC5230.300-L1

**SPC control panel 8-128 zones, G3**

S54541-C103-A100

See SPC52.. for technical overview and note the additional / other specifications:



|                        |                        |
|------------------------|------------------------|
| Dimensions (W x H x D) | 326 x 415 x 114 mm     |
| Battery capacity       | Max. 17 Ah / 12 V      |
| Housing                | Hinged metal enclosure |
| Weight                 | 7.300 kg               |
| Data sheet             | A6V10238974            |

# Intrusion Panels

## SPC Control Panels

### SPC6000

| Type   | Order No.  |
|--|--|
| SPC63..  | SPC63..  |
| <b>SPC control panel 8 - 512 zones</b>   |  |
| <p>The SPC63.. control panel combines intrusion and access functionality in one system and can be expanded up to 512 zones (8 on-board), 512 outputs (6 on-board), 32 system keypads, 32 entry/exit doors and complies with EN 50131 Grade 2 or Grade 3 standard. Each zone can be configured for different zone monitoring requirements with 4K7 resistors as standard, but does support other resistor values. The controller provides 2 X-BUS interfaces (2 stubs or 1 loop), 32 areas, 512 users with different access levels, tri signalling path with PSTN and GSM option and IP, Integral Web Server, logging of 10'000 intrusion and 10'000 access events, X-10 home automation interface, on-board Ethernet. The system is expandable with wireless modules and supports up to 120 Intrunet wireless detectors (mixed with wired zones) and 1 remote control per user. The panel comes in a tamper protected and hinged metal cabinet with space for optional 17AH battery and 4 additional Expanders. Available with door control and wireless functionality from July 2009 onwards.</p> |  |
| Supply voltage   | 230 VAC, +10 to -15 %, 50 Hz   |
| Power supply   | 230 VAC, +10 to -15 %, 50 Hz   |
| Current consumption  | Max. 200 mA (12 VDC)   |
| Auxiliary power (nominal)  | Max. 750 mA (12 VDC)   |
| Battery  | Optional   |
| Number of on-board zones   | 8  |
| Max. number of hardwired zones   | 512  |
| Max. number of wireless zones  | 120 (take away wired zones)  |
| Portfolio of wireless devices  | See wireless detectors and peripherals   |
| Number of on-board open coll.  | 1 internal bell (max. 400 mA resistive)<br>1 external bell (max. 400 mA resistive)<br>3 general outputs (each max. 400 mA resistive, supplied via auxiliary output)  |
| Number of on-board relays  | 1 strobe, 30 V / 1 A (resistive switching current)   |
| Max. number of outputs   | 512  |
| Programmable areas   | 32   |
| Number of remote controls  | Up to 512 (1 per user)   |
| Number of users  | 512  |
| Number of keypads  | Max. 32  |
| Interfaces   | 2 x X-BUS (2 spurs or 1 loop),<br>2 x RS232 (RJ45 ports, for X-10 or external communication)<br>1 x USB (PC for browser programming / terminal program),<br>1 x SPC Fast Programmer<br>1 x Ethernet (RJ45) |
| Operating temperature  | +5 ~ +40 °C  |
| Housing protection   | IP30   |

Intrusion Panels  
**SPC Control Panels**  
**SPC6000**



Type

Order No.

SPC6320.200-L1

**SPC control panel 8-512 zones, G2**

S54541-C104-A100



See SPC63.. for technical overview and note the additional / other specifications:

|                        |                   |
|------------------------|-------------------|
| Dimensions (W x H x D) | 264 x 357 x 81 mm |
| Battery capacity       | Max. 7 Ah / 12 V  |
| Weight                 | 4.500 kg          |
| Data sheet             | A&V10238980       |

SPC6330.300-L1

**SPC control panel 8-512 zones, G3**

S54541-C105-A100



See SPC63.. for technical overview and note the additional / other specifications:

|                        |                    |
|------------------------|--------------------|
| Dimensions (W x H x D) | 326 x 415 x 114 mm |
| Battery capacity       | Max. 7 Ah / 12 V   |
| Weight                 | 7.300 kg           |
| Data sheet             | A6V10238980        |

# Intrunet SPC LCD keypads

With or without integrated card reader and wireless receiver ...



... for a multi-dimensional user interface with truly advanced functionality.

Intrusion Panels  
 SPC Keypads  
 LCD Keypads



Type

Order No.

SPCK420.100

LCD keypad with 2x16 characters

S54543-F101-A100



The wired standard LCD keypad SPCK420 provides the user with an iconic Interface to control the security system. Its 32 character blue backlight display and keyboards allows control under all lighting conditions. Navigation of the intuitive menu system is achieved using the central Navigation key. The keypad also has soft keys and alphanumeric keys that allow contextual key operation and data input directly from the keypad.

|                              |  |
|------------------------------|--|
| Current consumption: minimum | 55 mA (12 VDC)                                   |
| Current consumption: maximum | 90 mA (12 VDC)                                   |
| Status LEDs                  | 3  |
| LCD Display                  | 2 x 16 characters                                |
| Special function keys        | Multi-dimensional navigation key and 2 soft keys |
| Operating temperature        | +5 ~ +40 °C                                      |
| Dimensions (W x H x D)       | 148 x 85 x 33 mm                                 |
| Housing protection           | IP30   |
| Weight                       | 0.200 kg   |
| Data sheet                   | A6V38986, A6V10238974, A6V10238980               |

SPCK421.100

LCD keypad with 2x16 characters and card reader

S54543-F102-A100



The LCD keypad SPCK421 provides the same features as the standard wired keypad SPCK420, but has also the ability to set/unset using a proximity key fob. Proximity fobs have the advantage that they do not require batteries and negate the need for users to remember PIN's. When the system is configured to use the reader as setting / unsetting device, PIN entry is disabled during the entry timer.

|                              |  |
|------------------------------|--|
| Current consumption: minimum | 90 mA (12 VDC)                                   |
| Current consumption: maximum | 110 mA (12 VDC)                                  |
| Status LEDs                  | 3  |
| LCD Display                  | 2 x 16 characters                                |
| Special function keys        | Multi-dimensional navigation key and 2 soft keys |
| Operating temperature        | +5 ~ +40 °C                                      |
| Dimensions (W x H x D)       | 148 x 85 x 33 mm                                 |
| Housing protection           | IP30   |
| Weight                       | 0.200 kg   |
| Data sheet                   | A6V38986, A6V10238974, A6V10238980               |

## Intrusion Panels

### SPC Keypads

### LCD Keypads

| Type  | Order No.  |                              |                |                              |                |             |   |             |                   |                       |  |                       |             |                        |                  |                    |      |        |          |            |                                    |
|---|--|------------------------------|----------------|------------------------------|----------------|-------------|---|-------------|-------------------|-----------------------|--|-----------------------|-------------|------------------------|------------------|--------------------|------|--------|----------|------------|------------------------------------|
| SPCK422.100   | S54543-F103-A100   |                              |                |                              |                |             |   |             |                   |                       |  |                       |             |                        |                  |                    |      |        |          |            |                                    |
|  | <p><b>LCD keypad with 2x16 characters and SiWay module</b></p> <p>The LCD keypad SPCK422 provides the same features as the standard wired keypad SPCK420, but is additionally equipped with a wireless receiver module. This allows an easy range extension for Intrunet wireless detectors and remote controls linked to the system. Available from July 2009 onwards.</p> <table><tr><td>Current consumption: minimum</td><td>65 mA (12 VDC)</td></tr><tr><td>Current consumption: maximum</td><td>95 mA (12 VDC)</td></tr><tr><td>Status LEDs</td><td>3</td></tr><tr><td>LCD Display</td><td>2 x 16 characters</td></tr><tr><td>Special function keys</td><td>Multi-dimensional navigation key and 2 soft keys</td></tr><tr><td>Operating temperature</td><td>+5 ~ +40 °C</td></tr><tr><td>Dimensions (W x H x D)</td><td>148 x 85 x 33 mm</td></tr><tr><td>Housing protection</td><td>IP30</td></tr><tr><td>Weight</td><td>0.200 kg</td></tr><tr><td>Data sheet</td><td>A6V38986, A6V10238974, A6V10238980</td></tr></table> | Current consumption: minimum | 65 mA (12 VDC) | Current consumption: maximum | 95 mA (12 VDC) | Status LEDs | 3 | LCD Display | 2 x 16 characters | Special function keys | Multi-dimensional navigation key and 2 soft keys | Operating temperature | +5 ~ +40 °C | Dimensions (W x H x D) | 148 x 85 x 33 mm | Housing protection | IP30 | Weight | 0.200 kg | Data sheet | A6V38986, A6V10238974, A6V10238980 |
| Current consumption: minimum  | 65 mA (12 VDC)   |                              |                |                              |                |             |   |             |                   |                       |  |                       |             |                        |                  |                    |      |        |          |            |                                    |
| Current consumption: maximum  | 95 mA (12 VDC)   |                              |                |                              |                |             |   |             |                   |                       |  |                       |             |                        |                  |                    |      |        |          |            |                                    |
| Status LEDs   | 3  |                              |                |                              |                |             |   |             |                   |                       |  |                       |             |                        |                  |                    |      |        |          |            |                                    |
| LCD Display   | 2 x 16 characters  |                              |                |                              |                |             |   |             |                   |                       |  |                       |             |                        |                  |                    |      |        |          |            |                                    |
| Special function keys   | Multi-dimensional navigation key and 2 soft keys   |                              |                |                              |                |             |   |             |                   |                       |  |                       |             |                        |                  |                    |      |        |          |            |                                    |
| Operating temperature   | +5 ~ +40 °C  |                              |                |                              |                |             |   |             |                   |                       |  |                       |             |                        |                  |                    |      |        |          |            |                                    |
| Dimensions (W x H x D)  | 148 x 85 x 33 mm   |                              |                |                              |                |             |   |             |                   |                       |  |                       |             |                        |                  |                    |      |        |          |            |                                    |
| Housing protection  | IP30   |                              |                |                              |                |             |   |             |                   |                       |  |                       |             |                        |                  |                    |      |        |          |            |                                    |
| Weight  | 0.200 kg   |                              |                |                              |                |             |   |             |                   |                       |  |                       |             |                        |                  |                    |      |        |          |            |                                    |
| Data sheet  | A6V38986, A6V10238974, A6V10238980   |                              |                |                              |                |             |   |             |                   |                       |  |                       |             |                        |                  |                    |      |        |          |            |                                    |

Intrusion Panels  
**SPC Accessories and Modules**  
**Communication Modules**



Type

Order No.

SPCN110.000

**Analog PSTN module**



The PSTN module SPCN110 (up to 56K) is compatible with the complete SPC panel range and plugs directly on the main PCB removing the need for any additional wiring. The modem can take control of the line and communicates with a central station (ARC) using common format protocols (SIA, Contact ID etc.). It also supports PPP connection to SPC Pro Software for remote programming and configuration up-/download.

The PSTN modem can be used as the primary source of communication or as backup to IP communication or GSM modem.

|                              |                                       |
|------------------------------|---------------------------------------|
| Current consumption: minimum | 20 mA (12 VDC)                        |
| Current consumption: maximum | 35 mA (12 VDC)                        |
| Status LEDs                  | 4                                     |
| Operating temperature        | +5 ~ +40 °C                           |
| Dimensions (W x H x D)       | 90 x 38 x 25 mm                       |
| Weight                       | 0.030 kg                              |
| Data sheet                   | A6V38986, A6V10238974,<br>A6V10238980 |

S54550-B101-A100

SPCN310.000

**GSM module incl. antenna**



The GSM Module SPCN310 can be assigned to any mobile network by the insertion of a standard SIM card. The modem is compatible with the complete range of SPC panels and plugs directly on the main PCB removing the need for any additional wiring. The unit comes with an external aerial that fits on the cabinet. The modem communicates with a central station (ARC) using common format protocols (SIA, Contact ID etc.). It also supports PPP connection to SPC Pro Software for remote programming and configuration up-/download. The SMS feature allows user / engineer to be sent a predefined text when selected events occur in the system. It also allows receiving of predefined SMS commands for security system control.

The GSM modem can be used as the primary source of communication or as backup to the PSTN modem or IP communication.


|                              |                                       |
|------------------------------|---------------------------------------|
| Current consumption: minimum | 50 mA (12 VDC)                        |
| Current consumption: maximum | 60 mA (12 VDC)                        |
| Status LEDs                  | 2                                     |
| Operating temperature        | +5 ~ +40 °C                           |
| Dimensions (W x H x D)       | 90 x 38 x 25 mm                       |
| Weight                       | 0.030 kg                              |
| Data sheet                   | A6V38986, A6V10238974,<br>A6V10238980 |

S54550-B102-A100

## Intrusion Panels

### SPC Accessories and Modules

### Communication Modules

| Type   | Order No.               |
|--|-------------------------|
| <b>SPCW110.000</b>  <p>The SPCW110.000 SiWay RF-Kit for Panel extends the SPC control panel with a wireless receiver for Intrunet wireless detectors and remote controls in reception range. The wireless module plugs directly on the main PCB of compatible SPC panels. The kit also includes a stub antenna to mount on metal cabinets.<br/>Available from July 2009 onwards.</p> <p>Current consumption: minimum 10 mA (12 VDC)<br/>           Current consumption: maximum 10 mA (12 VDC)<br/>           Operating temperature +5 ~ +40 °C<br/>           Dimensions (W x H x D) 150 x 22 x 20 mm (PCB, w/o antenna)<br/>           Weight 0.050 kg<br/>           Data sheet A6V38986, A6V10238974, A6V10238980</p>                                       | <b>S54554-B101-A100</b> |
| <b>SPCW130.100</b>  <p>The SPCW130.100 SiWay RF-Expander is connected to the X-Bus and provides a range extension for the Intrunet wireless detectors and remote controls linked to the system. The Expander comes in a tamper protected housing and features also an X-Bus status LED and on board buzzer for easy device identification and extensive self-diagnostic capabilities.<br/>Available from July 2009 onwards.</p> <p>Current consumption: minimum 60 mA (12 VDC)<br/>           Current consumption: maximum 60 mA (12 VDC)<br/>           Operating temperature +5 ~ +40 °C<br/>           Dimensions (W x H x D) 195 x 150 x 47 mm (Enclosure)<br/>           Weight 0.340 kg<br/>           Data sheet A6V38986, A6V10238974, A6V10238980</p> | <b>S54554-F101-A100</b> |
| <b>SPCW101.000</b>  <p>The SPCW101.000 External Antenna Kit (868 MHz) allows the connection of a GSM or Wireless module in a cabinet to an externally mounted antenna for best reception level. The kit comes with a stub antenna, 2m cable with connectors and a mounting bracket. The antenna connects to GSM- or Wireless modules with fitted SMA connector for external antenna option.<br/>Available from July 2009 onwards.</p> <p>Operating temperature +5 ~ +40 °C<br/>           Weight 0.090 kg<br/>           Data sheet A6V38986, A6V10238974, A6V10238980</p>  | <b>S54559-B101-A100</b> |



Intrusion Panels  
**SPC Accessories and Modules**  
**Optional Modules**



Type

Order No.

SPCE650.100

**Expander with 8 inputs and 2 output**

S54542-F101-A100



The Expander SPCE650 extends the SPC system via X-BUS with 8 wired zones and 2 fully programmable relay outputs. The zones and outputs on the expander function exactly as the zones and outputs on the SPC panel. Each zone can be configured for different zone monitoring requirements. The system supports 4K7 resistors as standard for monitoring but does support other resistor values. The outputs are volt free relays that provide both NO and NC terminals allowing the greatest flexibility. The expander comes in a tamper protected housing and features also an X-BUS status LED and on board buzzer for easy device identification and extensive self-diagnostic capabilities.

|                              |  |
|------------------------------|--|
| Current consumption: minimum | 45 mA (12 VDC)   |
| Current consumption: maximum | 80 mA (12 VDC)   |
| Operating temperature        | +5 ~ +40 °C  |
| Dimensions (W x H x D)       | (Enclosure) 195 x 150 x 47 mm<br>(PCB) 50 x 82 x 20 mm |
| Housing protection           | IP30   |
| Weight                       | 0.350 kg   |
| Data sheet                   | A6V38986, A6V10238974,<br>A6V10238980                  |

SPCE450.100

**Expander with 8 relay outputs**

S54542-F103-A100





The Expander SPCE450 extends the SPC system via X-BUS with 8 fully programmable relay outputs. The outputs are volt free relays that provide both NO and NC terminals allowing the greatest flexibility. The expander comes in a tamper protected housing and features also an X-BUS status LED and on board buzzer for easy device identification and extensive self-diagnostic capabilities.

|                              |  |
|------------------------------|--|
| Current consumption: minimum | 55 mA (12 VDC)   |
| Current consumption: maximum | 180 mA (12 VDC)  |
| Operating temperature        | +5 ~ +40 °C  |
| Dimensions (W x H x D)       | (Enclosure) 195 x 150 x 47 mm<br>(PCB) 50 x 82 x 20 mm |
| Housing protection           | IP30   |
| Weight                       | 0.400 kg   |
| Data sheet                   | A6V38986, A6V10238974,<br>A6V10238980                  |

## Intrusion Panels

### SPC Accessories and Modules

#### Optional Modules

| Type  | Order No.                      |
|---|--------------------------------|
| <p><b>SPCA210.100</b></p>    | <p><b>S54547-A101-A100</b></p> |
| <p><b>2-Door expander</b></p> <p>The SPCA210.100 2-Door Expander extends the SPC5000/6000 with advanced door control functionality for 2 entry doors or 1 entry/exit door. The device features 2 Wiegand/Clock&amp;Data interfaces, 4 LED control outputs (1 void / 1 valid per reader), 4 zones (1 position- and 1 opening switch per door), 2 relay outputs (1 lock per door) and an on-board buzzer to signal "door open too long" events. The zones and outputs function exactly as for the SPC panel. To allow greatest flexibility, the zones and outputs are freely programmable for other purposes if not used for door control. Up to 512 priority card holders can be stored on the expander for standalone operation in case of communication loss to the control panel. The Expander comes in a tamper protected housing and features also an X-BUS status LED for easy device identification and extensive self-diagnostic capabilities. Available from July 2009 onwards.</p> <p>Current consumption: minimum 45 mA (12 VDC)<br/>           Current consumption: maximum 80 mA (12 VDC)<br/>           Operating temperature +5 ~ +40 °C<br/>           Dimensions (W x H x D) (Enclosure) 195 x 150 x 47 mm<br/>           (PCB) 50 x 82 x 20 mm</p> <p>Housing protection IP30<br/>           Weight 0.360 kg<br/>           Data sheet A6V38986, A6V10238974, A6V10238980</p>              |                                |
| <p><b>SPCP332.300</b></p>    | <p><b>S54545-C102-A100</b></p> |
| <p><b>Power supply (7Ah) with I/O expander</b></p> <p>The smart PSU SPCP332 with expander extends the SPC system via X-BUS with a monitored 12 VDC 2.6 A local power source for connected security devices (e.g. expanders on X-BUS) and battery management, 8 wired zones and 2 fully programmable relay outputs. The zones and outputs on the expander function exactly as the zones and outputs on the SPC panel. Each zone can be configured for different zone monitoring requirements. The system supports 4K7 resistors as standard for monitoring but also does support other resistor values. The outputs are volt free relays that provide both NO and NC terminals allowing the greatest flexibility. The expander features also an X-BUS status LED and on board buzzer for easy device identification and extensive self-diagnostic capabilities.</p> <p>Supply voltage (typical) 230 VAC, +10 to -15 %, 50 Hz<br/>           Current consumption Max. 220 mA (230 VAC)<br/>           Mains fuse 500 mA T<br/>           Battery Optional<br/>           Operating temperature +5 ~ +40 °C<br/>           Housing material Steel, &gt; 1.2 mm<br/>           Dimensions (W x H x D) 264 x 357 x 81 mm<br/>           Battery capacity Max. 7 Ah / 12 V<br/>           Housing protection IP30<br/>           Weight 5.100 kg<br/>           Data sheet A6V38986, A6V10238974, A6V10238980</p> |                                |

# Intrusion Panels

## SPC Accessories and Modules

### Optional Modules



Type

Order No.

SPCP333.300

#### Power supply (17 Ah) with I/O expander



The smart PSU SPCP333 with expander extends the SPC system via X-BUS with a monitored 12 VDC 2.6 A local power source for connected security devices (e.g. expanders on X-BUS) and battery management, 8 wired zones and 2 fully programmable relay outputs. The zones and outputs on the expander function exactly as the zones and outputs on the SPC panel. Each zone can be configured for different zone monitoring requirements. The system supports 4K7 resistors as standard for monitoring but also does support other resistor values. The outputs are volt free relays that provide both NO and NC terminals allowing the greatest flexibility. The expander features also an X-BUS status LED and on board buzzer for easy device identification and extensive self-diagnostic capabilities.


|                          |                                       |
|--------------------------|---------------------------------------|
| Supply voltage (typical) | 230 VAC, +10 to -15 %, 50 Hz          |
| Current consumption      | 220 mA (230 VAC)                      |
| Mains fuse               | 500 mA T                              |
| Battery                  | Optional                              |
| Operating temperature    | +5 ~ +40 °C                           |
| Housing material         | Steel, > 1.2 mm                       |
| Dimensions (W x H x D)   | 326 x 415 x 114                       |
| Battery capacity         | Max. 17 Ah / 12 V                     |
| Housing protection       | IP30                                  |
| Weight                   | 7.400 kg                              |
| Data sheet               | A6V38986, A6V10238974,<br>A6V10238980 |

S54545-C101-A100

## Intrusion Panels

### SPC Accessories and Modules

### Other Modules

| Type  | Order No.   |
|---|---|
| SPCX410.000   | S54559-B102-A100  |
|    |   |
| <b>Fast Programmer</b>  |   |
| The Fast Programmer SPCX410 provides a simple method of transferring configuration files from a PC (USB) to an SPC panel through the SPC Pro application and backing up configuration files from an SPC panel to the fast programmer without direct PC connection. This portable device has on-board 1MB flash memory, which typically can store in excess of 100 configuration files or a new firmware release for on site controller firmware update. |   |
| Interfaces  | 1 x USB (to PC)<br>2 x 10-pin connector (to SPC controller) |
| Operating temperature   | +5 ~ +40 °C   |
| Dimensions (W x H x D)  | 91 x 32 x 17 mm   |
| Weight  | 0.040 kg  |
| Data sheet  | A6V38986, A6V10238974,<br>A6V10238980                       |

Intrusion Panels  
 SPC Accessories and Modules  
 Spare Parts



| Type        |  | Order No.        |
|-------------|--|------------------|
| SPC4100.000 | <p><b>Main board for SPC4120.00 (without software)</b></p> <p>Dimensions (W x H x D) 200 x 135 x 25 mm</p> <p>Weight (without battery) 0.210 kg</p>                           | S54558-A101-A100 |
| SPC5200.000 | <p><b>Main board for SPC5220.000 and SPC5230.00 (without software)</b></p> <p>Dimensions (W x H x D) 200 x 135 x 25 mm</p> <p>Weight (without battery) 0.220 kg</p>          | S54558-A102-A100 |
| SPC6300.000 | <p><b>Main board for SPC6320.000 and SPC6330.00 (without software)</b></p> <p>Dimensions (W x H x D) 200 x 135 x 25 mm</p> <p>Weight (without battery) 0.220 kg</p>  | S54558-A103-A100 |
| SPCP330.000 | <p><b>Main board for SPCP332 and SPCP333</b></p> <p>Dimensions (W x H x D) 170 x 94 x 60 mm</p> <p>Weight (without battery) 0.260 kg</p>                              | S54558-A104-A100 |

# IC60 – brighten up your security with colourful options



# Intrusion Panels



## IC60 – security meets design

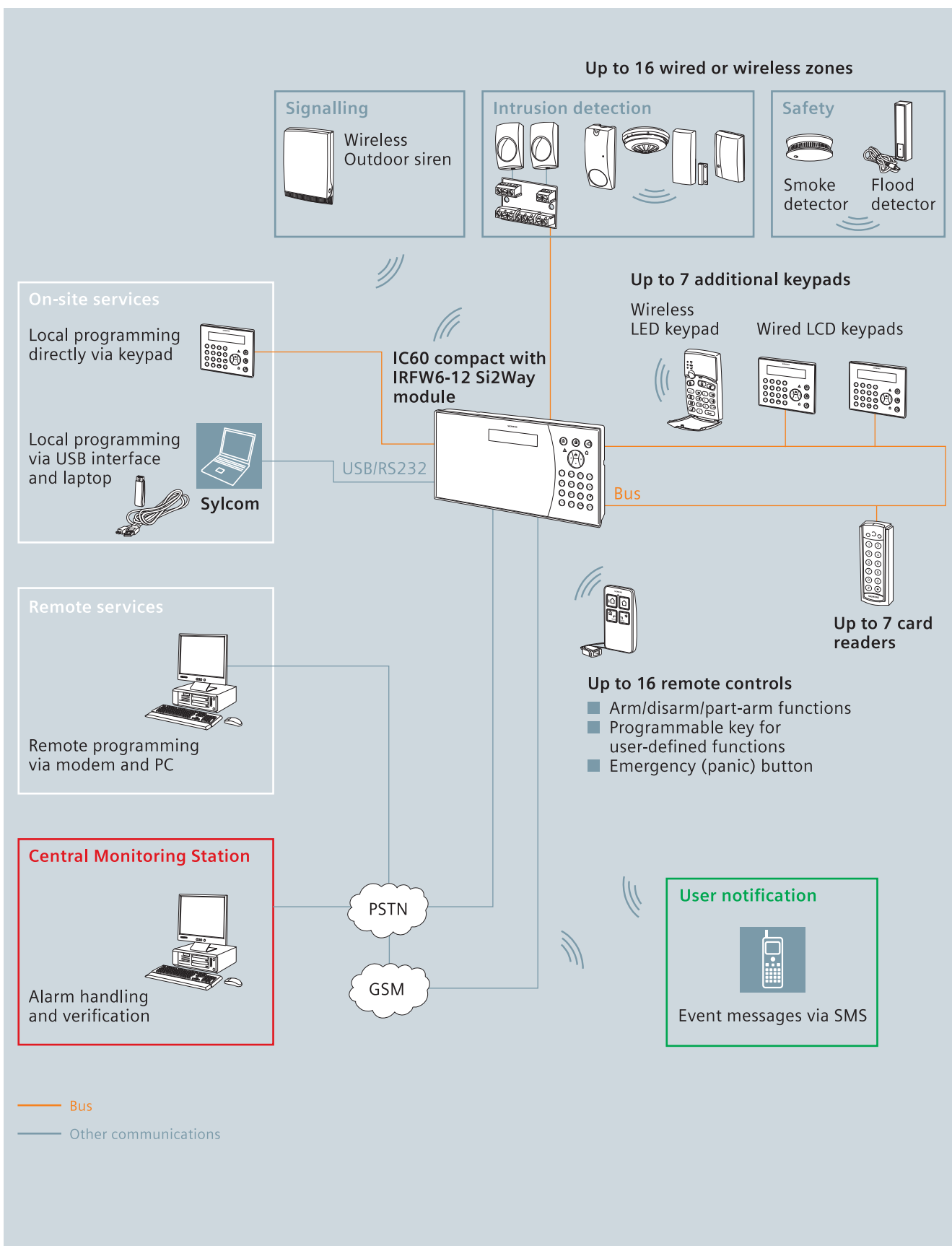
Specifically designed by Siemens for the home and small business environments, this multi-functional security system combines security, safety and comfort functionalities on one system, making it the right choice for anyone looking for intelligent intruder detection, total safety and ultimate convenience. Its stylish control panel and keypad are at the heart of the system, whether wired or wireless: SMS alerts, water leak detection or even lighting control are just a few of the functionalities IC60 offers, so you are sure that wherever you are, your home or business are in safe hands. Simply and reliably.

- Simple in-house and remote operation of comfort, safety and security functions
- Panic and emergency calls activation
- Voice alarm verification
- Stay at home mode
- Child return home function
- Duress safety code
- Card reader function for small office applications

# Intrusion Panels

## IC60 Control Panels

### System Schematics







# Intrusion Panels

## IC60 Control Panels

### Product Overview



|                                  | Wired panels  |   | Hybrid panels  |   |
|----------------------------------|---|---|--|---|
|                                  | IC60M-8   | IC60-8  | IC60W-10   | IC60WA-10   |
|                                  |  |  |  |  |
| Description                      | IC60 Modular  | IC60 Compact  | IC60 Compact   | IC60 Compact  |
| Integrated keypad                |   | ■   | ■  | ■   |
| Keypads                          | Up to 8   | Up to 7   | Up to 8  | Up to 9   |
| Users                            | Up to 100**   | Up to 100**   | Up to 100**  | Up to 100**   |
| Zones                            | 8/16*   | 8/16*   | 16 (max. 8 wired)  | 16 (max. 8 wired)   |
| Partitions                       | 2   | 2   | 2  | 2   |
| Programmable inputs              | Up to 16  | Up to 16  | Up to 16   | Up to 16  |
| Total outputs                    | Up to 8   | Up to 8   | Up to 8  | Up to 8   |
| Integrated PSTN dialer           | ■   | ■   | ■  | ■   |
| 2-way audio verification         |   | Optional IAV6-90  | Optional IAV6-90   | ■   |
| Card reader interface (on Bus)   | ■   | ■   | ■  | ■   |
| Card readers                     | Up to 8   | Up to 7   | Up to 7  | Up to 7   |
| Remote controls/wireless keypads | Up to 16<br>(optional IRFW6-10)   | Up to 16  | Up to 16   | Up to 16  |
| SiWay wireless receiver          | Optional IRFW6-10   |   | ■  | ■   |
| Si2Way wireless module           | Optional IRFW6-12   | Optional IRFW6-12   | Optional IRFW6-12  | Optional IRFW6-12   |


\* with zone doubling

\*\* including remote users (1 RC needs 5 users)

# Intrusion Panels

## IC60 Control Panels

### Wireless Control Panels

| Type  | Order No.   |                        |     |            |   |             |       |               |   |              |   |         |   |                    |   |             |  |                        |                 |                    |                      |         |  |                     |             |  |                               |                       |           |                     |              |                    |                              |                               |            |               |                      |                  |        |        |          |                     |                             |                        |                   |        |                            |            |        |           |  |
|---|---|------------------------|-----|------------|---|-------------|-------|---------------|---|--------------|---|---------|---|--------------------|---|-------------|--|------------------------|-----------------|--------------------|----------------------|---------|--|---------------------|-------------|--|-------------------------------|-----------------------|-----------|---------------------|--------------|--------------------|------------------------------|-------------------------------|------------|---------------|----------------------|------------------|--------|--------|----------|---------------------|-----------------------------|------------------------|-------------------|--------|----------------------------|------------|--------|-----------|--|
| IC60..  | IC60..  |                        |     |            |   |             |       |               |   |              |   |         |   |                    |   |             |  |                        |                 |                    |                      |         |  |                     |             |  |                               |                       |           |                     |              |                    |                              |                               |            |               |                      |                  |        |        |          |                     |                             |                        |                   |        |                            |            |        |           |  |
|  | <p><b>IC60 compact panel 8-16 zones</b></p> <p>The IC60 compact is equipped with an extra large 2-line display - each line consisting of 16 characters - and an integrated keypad. The glossy finish, the crystal clear buttons and the different colors will cater for every style and taste. The display and keys are backlit and the intensity of the illumination, as well as the volume of the signal tones, can be individually adjusted. The 5 LED's display the most important system statuses such as "ready", "trouble", "stay at home", "bypass" and "armed". A room temperature indication is also integrated.</p> <table> <tr> <td>Max. number of outputs</td> <td>100</td> </tr> <tr> <td>Partitions</td> <td>2</td> </tr> <tr> <td>Sound level</td> <td>&gt;80dB</td> </tr> <tr> <td>Time function</td> <td>8</td> </tr> <tr> <td>Event memory</td> <td>255, with time stamp and additional information</td> </tr> <tr> <td>Battery</td> <td>Ni-Mh, 12 V DC / max. 1800 mAh (optional)</td> </tr> <tr> <td>Bus connection for</td> <td>7 keypads IKP6-03 or readers IAR6-30 (up to 25 m, 22 AWG, wire diameter 0.6 mm)<br/>4 keypads IKP6-03 or readers IAR6-30 (up to 100 m, 20 AWG, wire diameter 0.8 mm)</td> </tr> <tr> <td>Programming</td> <td>Direct via keypad, with remote control, local PC or memory stick</td> </tr> <tr> <td>Communication protocol</td> <td>SIA, CID, Voice</td> </tr> <tr> <td>Communication type</td> <td>PSTN dialer built-in</td> </tr> <tr> <td>Outputs</td> <td>2 x open collector 12 V / 1 A<br/>1 x relay 24 V / 2 A<br/>1 x internal Piezo output</td> </tr> <tr> <td>Current consumption</td> <td>Max. 120 mA</td> </tr> <tr> <td>RSSI display (Received Signal Strength Indication)</td> <td>Yes (version 9.07 and higher)</td> </tr> <tr> <td>Operating temperature</td> <td>0 ~ 50 °C</td> </tr> <tr> <td>Storage temperature</td> <td>-20 ~ +60 °C</td> </tr> <tr> <td>Humidity (EN60721)</td> <td>&lt; 85 % r.h., no condensation</td> </tr> <tr> <td>Housing protection (EN 60529)</td> <td>IP41/ IK02</td> </tr> <tr> <td>EMI rejection</td> <td>Up to 2 GHz &gt; 10 V/m</td> </tr> <tr> <td>Housing material</td> <td>ABS-V0</td> </tr> <tr> <td>Keypad</td> <td>Built-in</td> </tr> <tr> <td>Standard / approval</td> <td>EN 50131: Grade 2, Class II</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>330 x 170 x 40 mm</td> </tr> <tr> <td>Weight</td> <td>1.120 kg (without battery)</td> </tr> <tr> <td>Data sheet</td> <td>009093</td> </tr> <tr> <td>Expansion</td> <td>IZE6-04 zone expander module (max. 4 / control panel)<br/>IR06-04 relay output module (max. 2 / control panel)<br/>IAV6-90 audio verification (max. 1 / control panel)<br/>IRFW6-10 wireless receiver module (max. 1)</td> </tr> </table> | Max. number of outputs | 100 | Partitions | 2 | Sound level | >80dB | Time function | 8 | Event memory | 255, with time stamp and additional information | Battery | Ni-Mh, 12 V DC / max. 1800 mAh (optional) | Bus connection for | 7 keypads IKP6-03 or readers IAR6-30 (up to 25 m, 22 AWG, wire diameter 0.6 mm)<br>4 keypads IKP6-03 or readers IAR6-30 (up to 100 m, 20 AWG, wire diameter 0.8 mm) | Programming | Direct via keypad, with remote control, local PC or memory stick | Communication protocol | SIA, CID, Voice | Communication type | PSTN dialer built-in | Outputs | 2 x open collector 12 V / 1 A<br>1 x relay 24 V / 2 A<br>1 x internal Piezo output | Current consumption | Max. 120 mA | RSSI display (Received Signal Strength Indication) | Yes (version 9.07 and higher) | Operating temperature | 0 ~ 50 °C | Storage temperature | -20 ~ +60 °C | Humidity (EN60721) | < 85 % r.h., no condensation | Housing protection (EN 60529) | IP41/ IK02 | EMI rejection | Up to 2 GHz > 10 V/m | Housing material | ABS-V0 | Keypad | Built-in | Standard / approval | EN 50131: Grade 2, Class II | Dimensions (W x H x D) | 330 x 170 x 40 mm | Weight | 1.120 kg (without battery) | Data sheet | 009093 | Expansion | IZE6-04 zone expander module (max. 4 / control panel)<br>IR06-04 relay output module (max. 2 / control panel)<br>IAV6-90 audio verification (max. 1 / control panel)<br>IRFW6-10 wireless receiver module (max. 1) |
| Max. number of outputs  | 100   |                        |     |            |   |             |       |               |   |              |   |         |   |                    |   |             |  |                        |                 |                    |                      |         |  |                     |             |  |                               |                       |           |                     |              |                    |                              |                               |            |               |                      |                  |        |        |          |                     |                             |                        |                   |        |                            |            |        |           |  |
| Partitions  | 2   |                        |     |            |   |             |       |               |   |              |   |         |   |                    |   |             |  |                        |                 |                    |                      |         |  |                     |             |  |                               |                       |           |                     |              |                    |                              |                               |            |               |                      |                  |        |        |          |                     |                             |                        |                   |        |                            |            |        |           |  |
| Sound level   | >80dB   |                        |     |            |   |             |       |               |   |              |   |         |   |                    |   |             |  |                        |                 |                    |                      |         |  |                     |             |  |                               |                       |           |                     |              |                    |                              |                               |            |               |                      |                  |        |        |          |                     |                             |                        |                   |        |                            |            |        |           |  |
| Time function   | 8   |                        |     |            |   |             |       |               |   |              |   |         |   |                    |   |             |  |                        |                 |                    |                      |         |  |                     |             |  |                               |                       |           |                     |              |                    |                              |                               |            |               |                      |                  |        |        |          |                     |                             |                        |                   |        |                            |            |        |           |  |
| Event memory  | 255, with time stamp and additional information   |                        |     |            |   |             |       |               |   |              |   |         |   |                    |   |             |  |                        |                 |                    |                      |         |  |                     |             |  |                               |                       |           |                     |              |                    |                              |                               |            |               |                      |                  |        |        |          |                     |                             |                        |                   |        |                            |            |        |           |  |
| Battery   | Ni-Mh, 12 V DC / max. 1800 mAh (optional)   |                        |     |            |   |             |       |               |   |              |   |         |   |                    |   |             |  |                        |                 |                    |                      |         |  |                     |             |  |                               |                       |           |                     |              |                    |                              |                               |            |               |                      |                  |        |        |          |                     |                             |                        |                   |        |                            |            |        |           |  |
| Bus connection for  | 7 keypads IKP6-03 or readers IAR6-30 (up to 25 m, 22 AWG, wire diameter 0.6 mm)<br>4 keypads IKP6-03 or readers IAR6-30 (up to 100 m, 20 AWG, wire diameter 0.8 mm)   |                        |     |            |   |             |       |               |   |              |   |         |   |                    |   |             |  |                        |                 |                    |                      |         |  |                     |             |  |                               |                       |           |                     |              |                    |                              |                               |            |               |                      |                  |        |        |          |                     |                             |                        |                   |        |                            |            |        |           |  |
| Programming   | Direct via keypad, with remote control, local PC or memory stick  |                        |     |            |   |             |       |               |   |              |   |         |   |                    |   |             |  |                        |                 |                    |                      |         |  |                     |             |  |                               |                       |           |                     |              |                    |                              |                               |            |               |                      |                  |        |        |          |                     |                             |                        |                   |        |                            |            |        |           |  |
| Communication protocol  | SIA, CID, Voice   |                        |     |            |   |             |       |               |   |              |   |         |   |                    |   |             |  |                        |                 |                    |                      |         |  |                     |             |  |                               |                       |           |                     |              |                    |                              |                               |            |               |                      |                  |        |        |          |                     |                             |                        |                   |        |                            |            |        |           |  |
| Communication type  | PSTN dialer built-in  |                        |     |            |   |             |       |               |   |              |   |         |   |                    |   |             |  |                        |                 |                    |                      |         |  |                     |             |  |                               |                       |           |                     |              |                    |                              |                               |            |               |                      |                  |        |        |          |                     |                             |                        |                   |        |                            |            |        |           |  |
| Outputs   | 2 x open collector 12 V / 1 A<br>1 x relay 24 V / 2 A<br>1 x internal Piezo output  |                        |     |            |   |             |       |               |   |              |   |         |   |                    |   |             |  |                        |                 |                    |                      |         |  |                     |             |  |                               |                       |           |                     |              |                    |                              |                               |            |               |                      |                  |        |        |          |                     |                             |                        |                   |        |                            |            |        |           |  |
| Current consumption   | Max. 120 mA   |                        |     |            |   |             |       |               |   |              |   |         |   |                    |   |             |  |                        |                 |                    |                      |         |  |                     |             |  |                               |                       |           |                     |              |                    |                              |                               |            |               |                      |                  |        |        |          |                     |                             |                        |                   |        |                            |            |        |           |  |
| RSSI display (Received Signal Strength Indication)                                | Yes (version 9.07 and higher)   |                        |     |            |   |             |       |               |   |              |   |         |   |                    |   |             |  |                        |                 |                    |                      |         |  |                     |             |  |                               |                       |           |                     |              |                    |                              |                               |            |               |                      |                  |        |        |          |                     |                             |                        |                   |        |                            |            |        |           |  |
| Operating temperature   | 0 ~ 50 °C   |                        |     |            |   |             |       |               |   |              |   |         |   |                    |   |             |  |                        |                 |                    |                      |         |  |                     |             |  |                               |                       |           |                     |              |                    |                              |                               |            |               |                      |                  |        |        |          |                     |                             |                        |                   |        |                            |            |        |           |  |
| Storage temperature   | -20 ~ +60 °C  |                        |     |            |   |             |       |               |   |              |   |         |   |                    |   |             |  |                        |                 |                    |                      |         |  |                     |             |  |                               |                       |           |                     |              |                    |                              |                               |            |               |                      |                  |        |        |          |                     |                             |                        |                   |        |                            |            |        |           |  |
| Humidity (EN60721)  | < 85 % r.h., no condensation  |                        |     |            |   |             |       |               |   |              |   |         |   |                    |   |             |  |                        |                 |                    |                      |         |  |                     |             |  |                               |                       |           |                     |              |                    |                              |                               |            |               |                      |                  |        |        |          |                     |                             |                        |                   |        |                            |            |        |           |  |
| Housing protection (EN 60529)   | IP41/ IK02  |                        |     |            |   |             |       |               |   |              |   |         |   |                    |   |             |  |                        |                 |                    |                      |         |  |                     |             |  |                               |                       |           |                     |              |                    |                              |                               |            |               |                      |                  |        |        |          |                     |                             |                        |                   |        |                            |            |        |           |  |
| EMI rejection   | Up to 2 GHz > 10 V/m  |                        |     |            |   |             |       |               |   |              |   |         |   |                    |   |             |  |                        |                 |                    |                      |         |  |                     |             |  |                               |                       |           |                     |              |                    |                              |                               |            |               |                      |                  |        |        |          |                     |                             |                        |                   |        |                            |            |        |           |  |
| Housing material  | ABS-V0  |                        |     |            |   |             |       |               |   |              |   |         |   |                    |   |             |  |                        |                 |                    |                      |         |  |                     |             |  |                               |                       |           |                     |              |                    |                              |                               |            |               |                      |                  |        |        |          |                     |                             |                        |                   |        |                            |            |        |           |  |
| Keypad  | Built-in  |                        |     |            |   |             |       |               |   |              |   |         |   |                    |   |             |  |                        |                 |                    |                      |         |  |                     |             |  |                               |                       |           |                     |              |                    |                              |                               |            |               |                      |                  |        |        |          |                     |                             |                        |                   |        |                            |            |        |           |  |
| Standard / approval   | EN 50131: Grade 2, Class II   |                        |     |            |   |             |       |               |   |              |   |         |   |                    |   |             |  |                        |                 |                    |                      |         |  |                     |             |  |                               |                       |           |                     |              |                    |                              |                               |            |               |                      |                  |        |        |          |                     |                             |                        |                   |        |                            |            |        |           |  |
| Dimensions (W x H x D)  | 330 x 170 x 40 mm   |                        |     |            |   |             |       |               |   |              |   |         |   |                    |   |             |  |                        |                 |                    |                      |         |  |                     |             |  |                               |                       |           |                     |              |                    |                              |                               |            |               |                      |                  |        |        |          |                     |                             |                        |                   |        |                            |            |        |           |  |
| Weight  | 1.120 kg (without battery)  |                        |     |            |   |             |       |               |   |              |   |         |   |                    |   |             |  |                        |                 |                    |                      |         |  |                     |             |  |                               |                       |           |                     |              |                    |                              |                               |            |               |                      |                  |        |        |          |                     |                             |                        |                   |        |                            |            |        |           |  |
| Data sheet  | 009093  |                        |     |            |   |             |       |               |   |              |   |         |   |                    |   |             |  |                        |                 |                    |                      |         |  |                     |             |  |                               |                       |           |                     |              |                    |                              |                               |            |               |                      |                  |        |        |          |                     |                             |                        |                   |        |                            |            |        |           |  |
| Expansion   | IZE6-04 zone expander module (max. 4 / control panel)<br>IR06-04 relay output module (max. 2 / control panel)<br>IAV6-90 audio verification (max. 1 / control panel)<br>IRFW6-10 wireless receiver module (max. 1)  |                        |     |            |   |             |       |               |   |              |   |         |   |                    |   |             |  |                        |                 |                    |                      |         |  |                     |             |  |                               |                       |           |                     |              |                    |                              |                               |            |               |                      |                  |        |        |          |                     |                             |                        |                   |        |                            |            |        |           |  |

Intrusion Panels  
**IC60 Control Panels**  
**Wireless Control Panels**




| Type   | Order No.                 |
|--|---------------------------|
| <p><b>IC60-8</b>                      <b>IC60 compact panel 8 zones incl. LCD, AC / DC converter, no battery</b></p> <p>See IC60.. for technical overview and note the additional / other specifications:</p> <p>Programmable inputs                      8 - 16 hardwired zones (individual programmable)</p> <p>Zones    8 - 16 wired</p>  | <p><b>A5Q00013934</b></p> |
| <p><b>IC60W-10</b>                      <b>IC60 compact panel 8 - 16 zones incl. LCD, with wireless receiver, AC/DC converter, no battery.</b></p> <p>See IC60.. for technical overview and note the additional / other specifications:</p> <p>A receiver for wireless devices is already built-in.</p> <p>Programmable inputs                      16 wireless zones (individual programmable)</p> <p>Wireless protocol                              SiWay</p> <p>Portfolio of wireless devices                      See wireless detectors and peripherals</p> <p>Wireless module range                      Up to 300 m at open space</p> <p>Frequency    868 MHz wireless receiver</p> <p>Zones    16 wireless</p>   | <p><b>A5Q00013935</b></p> |
| <p><b>IC60WA-10</b>                      <b>IC60 compact panel 8 - 16 zones incl. LCD, with wireless receiver, AC/DC converter, no battery, audio verification module</b></p> <p>See IC60.. for technical overview and note the additional / other specifications:</p> <p>A receiver for wireless devices and an audio verification module are already built-in.</p> <p>Programmable inputs                      16 wireless zones (individual programmable)</p> <p>Wireless protocol                              SiWay</p> <p>Portfolio of wireless devices                      See wireless detectors and peripherals</p> <p>Wireless module range                      Up to 300 m at open space</p> <p>Audioverification                              Integrated audio verification module (IAV6-90)</p> <p>Frequency    868 MHz wireless receiver</p> <p>Zones    16 wireless</p> | <p><b>A5Q00013936</b></p> |

# Intrusion Panels

## IC60 Control Panels

### Wired Control Panels

| Type   | Order No.  |
|--|--|
| <b>IC60M-8</b><br>  | <b>A5Q00013933</b>   |
| <b>IC60 in small modular housing 8-16 zones</b>  |  |
| <p>The IC60 control panel can also be delivered in a more traditional modular design with a small box containing the power supply and the battery. This product is recommended only for wired installations where space for a bigger backup battery is needed.</p> |  |
| <b>Max. number of outputs</b>  |  |
| <b>Zones</b>   | 8 - 16 wired   |
| <b>Partitions</b>  | 2  |
| <b>Time function</b>   | 8  |
| <b>Event memory</b>  | 255, with time stamp and additional information  |
| <b>Battery</b>   | Sealed Lead Acid 12 VDC / max. 7 Ah (optional)   |
| <b>Bus connection for</b>  | 8 keypads IKP6-03 or readers IAR6-30 (to 25 m, 22 AWG, wire diameter 0.6 mm)<br>4 keypads IKP6-03 or readers IAR6-30 (up to 100 m, 20 AWG, wire diameter 0.8 mm) |
| <b>Programming</b>   | Direct via keypad, with remote control, local PC or memory stick   |
| <b>Outputs</b>   | 3 x open collector 12 V / 1 A<br>1 x relay 24 V / 2 A  |
| <b>Current consumption</b>   | Max. 160 mA  |
| <b>Power supply</b>  | Power transformer, 240 V AC 50 Hz, 12 VDC / 1 A outputs, fused   |
| <b>RSSI display (Received Signal Strength Indication)</b>  | Yes (version 9.07 and higher)  |
| <b>Operating temperature</b>   | 0 ~ 50 °C  |
| <b>Storage temperature</b>   | -20 ~ +60 °C   |
| <b>Dimensions (W x H x D)</b>  | 290 x 250 x 90 mm  |
| <b>Humidity (EN60721)</b>  | < 85 % r.h., no condensation   |
| <b>Housing protection (EN 60529)</b>   | IP41/ IK02   |
| <b>Housing material</b>  | ABS-V0   |
| <b>Keypad</b>  | Optional IKP6-03 max. 8 external connectable   |
| <b>Weight</b>  | 1.600 kg   |

# Intrusion Panels

## IC60 Kit Packaging

### Wireless and Wired Kit Packaging



Type

Order No.

IPIC..

#### Kit packaging of IC60 compact or modular panel with 8-16 hard-wired or wireless zones (868MHz)



Kit packaging IC60 compact or modular panel with 8-16 hardwired or wireless zones (868MHz) , incl. power supply, no back up battery (need to be ordered separately). These kits are available in various options of ready to go units. Additionally these kits include various numbers of wireless or wired devices. Delivered in a practical kit package with additional documentation as a user manual in 12 languages, quick start guide and a CD with all technical data, programming software and manuals (incl. box with accessories like screws, anchors, resistors and batteries for all components) . These kits are the perfect solution for quick installations and contain all material which is needed to complete a small security system.

|  |   |
|--|---|
| Max. number of outputs                             | 100/1   |
| Zones  | 8 - 16 wired or 16 wireless                     |
| Partitions   | 2   |
| Alarm output                                       | 4   |
| Sound level  | >80dB (only compact version)                    |
| Time function                                      | 8   |
| Event memory                                       | 255, with time stamp and additional information |
| Programming  | Direct via keypad or with PC remote or locally  |
| Communication protocol                             | SIA, CID, Voice                                 |
| RSSI display (Received Signal Strength Indication) | Yes (version 9.07 and higher)                   |
| Operating temperature                              | 0 ~ ca. +50 °C                                  |
| Storage temperature                                | -20 ~ +60 °C                                    |
| Humidity (EN60721)                                 | < 85 % r.h., non condensing                     |
| Housing protection (EN 60529)                      | IP41 / IK02                                     |
| EMI rejection                                      | Up to 2 GHz > 10 V/m                            |
| Housing material                                   | ABS-V0  |
| Standard / approval                                | EN 50131: Grade 2, Class II                     |
| Data sheet   | 009093  |

IPIC..

IPIC60-101

#### Kit IC60 modular housing, wired, ext. LCD keypad, 3PIR IR80, no battery

See IPIC.. for technical overview and note the additional / other specifications:

Kit packaging IC60 modular control panel in big ABS housing for separate mounting, incl. transformer, external white keypad IKP6-03 with big LCD display, no battery. Useable for lead acid battery of 1.3AH 12V-7.5AH 12V. Additionally the kit includes 3 wired PIR motion detectors IR80.

|                               |  |
|-------------------------------|--|
| Current consumption           | 160 mA   |
| Wireless protocol             | SiWay  |
| Portfolio of wireless devices | See wireless detectors and peripherals           |
| Wireless module range         | Only optional                                    |
| Programmable inputs           | 8 - 16 hardwired zones (individual programmable) |
| Dimensions (W x H x D)        | 380 x 260 x 125 mm                               |
| Weight                        | 2.800 kg   |

A5Q00013973

14

## Intrusion Panels

### IC60 Kit Packaging

#### Wireless and Wired Kit Packaging

| Type   | Order No.  |        |         |                    |                   |       |                               |  |                               |    |                       |                           |                     |  |                        |                   |        |          |                    |
|--|--|--------|---------|--------------------|-------------------|-------|-------------------------------|--|-------------------------------|----|-----------------------|---------------------------|---------------------|--|------------------------|-------------------|--------|----------|--------------------|
| <p><b>IPIC60-111</b>      <b>Kit IC60 compact panel, 3PIR IR80 wired, 1 remote control</b></p> <p>See IPIC.. for technical overview and note the additional / other specifications:</p> <p>Kit packaging IC60 compact panel - wireless receiver already built in, incl. AC/DC converter for 110-250V/ 50-60Hz. Additionally the kit includes 3 wired PIR motion detectors IR80 and 1 wireless remote control IRCW6.</p> <table border="0"> <tr> <td>Current consumption</td> <td>120 mA</td> </tr> <tr> <td>Battery</td> <td>NiMh 12 V / 1.8 Ah</td> </tr> <tr> <td>Wireless protocol</td> <td>SiWay</td> </tr> <tr> <td>Portfolio of wireless devices</td> <td>See wireless detectors and peripherals</td> </tr> <tr> <td>Max. number of wireless zones</td> <td>16</td> </tr> <tr> <td>Wireless module range</td> <td>Up to 300 m at open space</td> </tr> <tr> <td>Programmable inputs</td> <td>8 - 16 hardwired or wireless zones (individual programmable)</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>430 x 350 x 55 mm</td> </tr> <tr> <td>Weight</td> <td>2.300 kg</td> </tr> </table>   | Current consumption  | 120 mA | Battery | NiMh 12 V / 1.8 Ah | Wireless protocol | SiWay | Portfolio of wireless devices | See wireless detectors and peripherals | Max. number of wireless zones | 16 | Wireless module range | Up to 300 m at open space | Programmable inputs | 8 - 16 hardwired or wireless zones (individual programmable) | Dimensions (W x H x D) | 430 x 350 x 55 mm | Weight | 2.300 kg | <b>A5Q00013976</b> |
| Current consumption  | 120 mA   |        |         |                    |                   |       |                               |  |                               |    |                       |                           |                     |  |                        |                   |        |          |                    |
| Battery  | NiMh 12 V / 1.8 Ah   |        |         |                    |                   |       |                               |  |                               |    |                       |                           |                     |  |                        |                   |        |          |                    |
| Wireless protocol  | SiWay  |        |         |                    |                   |       |                               |  |                               |    |                       |                           |                     |  |                        |                   |        |          |                    |
| Portfolio of wireless devices  | See wireless detectors and peripherals                       |        |         |                    |                   |       |                               |  |                               |    |                       |                           |                     |  |                        |                   |        |          |                    |
| Max. number of wireless zones  | 16   |        |         |                    |                   |       |                               |  |                               |    |                       |                           |                     |  |                        |                   |        |          |                    |
| Wireless module range  | Up to 300 m at open space                                    |        |         |                    |                   |       |                               |  |                               |    |                       |                           |                     |  |                        |                   |        |          |                    |
| Programmable inputs  | 8 - 16 hardwired or wireless zones (individual programmable) |        |         |                    |                   |       |                               |  |                               |    |                       |                           |                     |  |                        |                   |        |          |                    |
| Dimensions (W x H x D)   | 430 x 350 x 55 mm  |        |         |                    |                   |       |                               |  |                               |    |                       |                           |                     |  |                        |                   |        |          |                    |
| Weight   | 2.300 kg   |        |         |                    |                   |       |                               |  |                               |    |                       |                           |                     |  |                        |                   |        |          |                    |
| <p><b>IPIC60-112</b>      <b>Kit IC60 compact panel, wireless, audio verification, 2PIR IR60, 1MK, 1 remote control</b></p> <p>See IPIC.. for technical overview and note the additional / other specifications:</p> <p>Kit packaging IC60 compact panel - wireless receiver and 2 way voice audio verification module IAV6-90 for audio alarm verification and "listen in" functionality incl. AC/DC converter for 110-250V/ 50-60Hz. Additionally the kit includes 2 wireless PIR motion detectors IR60W6, 1 wireless magnetic contact IMKW6 and 1 wireless remote control IRCW6.</p> <table border="0"> <tr> <td>Current consumption</td> <td>120 mA</td> </tr> <tr> <td>Battery</td> <td>NiMh 12 V / 1.8 Ah</td> </tr> <tr> <td>Wireless protocol</td> <td>SiWay</td> </tr> <tr> <td>Portfolio of wireless devices</td> <td>See wireless detectors and peripherals</td> </tr> <tr> <td>Max. number of wireless zones</td> <td>16</td> </tr> <tr> <td>Wireless module range</td> <td>Up to 300 m at open space</td> </tr> <tr> <td>Programmable inputs</td> <td>8 - 16 hardwired or wireless zones (individual programmable)</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>430 x 350 x 55 mm</td> </tr> <tr> <td>Weight</td> <td>2.300 kg</td> </tr> </table> | Current consumption  | 120 mA | Battery | NiMh 12 V / 1.8 Ah | Wireless protocol | SiWay | Portfolio of wireless devices | See wireless detectors and peripherals | Max. number of wireless zones | 16 | Wireless module range | Up to 300 m at open space | Programmable inputs | 8 - 16 hardwired or wireless zones (individual programmable) | Dimensions (W x H x D) | 430 x 350 x 55 mm | Weight | 2.300 kg | <b>A5Q00013977</b> |
| Current consumption  | 120 mA   |        |         |                    |                   |       |                               |  |                               |    |                       |                           |                     |  |                        |                   |        |          |                    |
| Battery  | NiMh 12 V / 1.8 Ah   |        |         |                    |                   |       |                               |  |                               |    |                       |                           |                     |  |                        |                   |        |          |                    |
| Wireless protocol  | SiWay  |        |         |                    |                   |       |                               |  |                               |    |                       |                           |                     |  |                        |                   |        |          |                    |
| Portfolio of wireless devices  | See wireless detectors and peripherals                       |        |         |                    |                   |       |                               |  |                               |    |                       |                           |                     |  |                        |                   |        |          |                    |
| Max. number of wireless zones  | 16   |        |         |                    |                   |       |                               |  |                               |    |                       |                           |                     |  |                        |                   |        |          |                    |
| Wireless module range  | Up to 300 m at open space                                    |        |         |                    |                   |       |                               |  |                               |    |                       |                           |                     |  |                        |                   |        |          |                    |
| Programmable inputs  | 8 - 16 hardwired or wireless zones (individual programmable) |        |         |                    |                   |       |                               |  |                               |    |                       |                           |                     |  |                        |                   |        |          |                    |
| Dimensions (W x H x D)   | 430 x 350 x 55 mm  |        |         |                    |                   |       |                               |  |                               |    |                       |                           |                     |  |                        |                   |        |          |                    |
| Weight   | 2.300 kg   |        |         |                    |                   |       |                               |  |                               |    |                       |                           |                     |  |                        |                   |        |          |                    |

Intrusion Panels  
**IC60 Kit Packaging**  
**Wireless and Wired Kit Packaging**



| Type  | Order No.                 |
|---|---------------------------|
| <p><b>IPIC60-121</b>                      <b>Kit IC60 compact panel, wireless, 3PIR IR60, 1remote control</b></p> <p>See IPIC.. for technical overview and note the additional / other specifications:</p> <p>Kit packaging IC60 compact panel - wireless receiver already built in, incl. AC/DC converter for 110-250V/ 50-60Hz. Additionally the kit includes 3 wireless PIR motion detectors IR60W6 and 1 wireless remote control IRCW6.</p> <p>Current consumption                      120 mA<br/>           Battery                                      NiMh 12 V / 1.8 Ah<br/>           Wireless protocol                        SiWay<br/>           Portfolio of wireless devices            See wireless detectors and peripherals<br/>           Max. number of wireless zones        16<br/>           Wireless module range                Up to 300 m at open space<br/>           Programmable inputs                    8 - 16 hardwired or wireless zones (individual programmable)<br/>           Dimensions (W x H x D)                430 x 350 x 55 mm<br/>           Weight                                      2.300 kg</p>   | <p><b>A5Q00013979</b></p> |
| <p><b>IPIC60-123</b>                      <b>Kit IC60 compact panel, wireless, 2PIR IR60, 1MK, 1 remote control</b></p> <p>See IPIC.. for technical overview and note the additional / other specifications:</p> <p>Kit packaging IC60 compact panel - wireless receiver already built in, incl. AC/DC converter for 110-250V/ 50-60Hz. Additionally the kit includes 2 wireless PIR motion detectors IR60W6, 1 wireless magnetic contact IMKW6 and 1 wireless remote control IRCW6.</p> <p>Current consumption                      120 mA<br/>           Battery                                      NiMh 12 V / 1.8 Ah<br/>           Wireless protocol                        SiWay<br/>           Portfolio of wireless devices            See wireless detectors and peripherals<br/>           Max. number of wireless zones        16<br/>           Wireless module range                Up to 300 m at open space<br/>           Programmable inputs                    8 - 16 hardwired or wireless zones (individual programmable)<br/>           Dimensions (W x H x D)                Compact: 430 x 350 x 55 mm<br/>           Weight                                      2.300 kg</p> | <p><b>A5Q00013981</b></p> |

# IC60 external keypads

A wealth of functionality ...



... in a stylish user interface.



# Intrusion Panels

## IC60 Keypads, Remote Controls and Card Readers

### Keypads



Type

Order No.

**IKP6-03**

#### Wireless LED keypad



The IKPW6-10 is a wireless keypad for SiWay enabled panels. It enables the same functionality as a remote control for easy system setting/unsetting, and also supports user codes for uncompromised security. Besides, home automation functions can be controlled from anywhere in the premises, thanks to the keypad dedicated commands and the panel's programmable outputs. Panic alarms are also supported.

|                        |   |
|------------------------|---|
| Power supply           | 9 – 16 VDC (via central bus)            |
| Current consumption    | Min. 40 mA<br>Typ. 70 mA<br>Max. 110 mA |
| Bus connection for     | 2 x central bus (up to 8)               |
| LCD Display            | LCD 2 x 16 characters                   |
| Operating temperature  | -10 ~ +50 °C                            |
| Housing material       | ABS-V0 white                            |
| Housing protection     | IP41                                    |
| Dimensions (W x H x D) | 145 x 126 x 22 mm                       |
| Weight                 | Ca 0.300 kg                             |
| Standard / approval    | EN 50131: Grade 2, Class II             |
| Data sheet             | 009093                                  |

A5Q00020290

**IKP6-03B**

#### External LCD keypad black with large display and temperature indication



The keypad benefits from a stylish and slim-line design. The glossy finish, the crystal clear buttons and the black color will cater for every style and taste. The IKP6-03 is equipped with an extra large 2-line display, each line consisting of 16 characters. The display and keys are backlit, and the intensity of the illumination, as well as the volume of the signal tones, can be individually adjusted. The 5 LED's display the most important system statuses such as "ready", "trouble", "stay at home", "bypass" and "armed". The keypad layout mirrors the familiar telephone dials for ultimate user-friendliness, and clearly shows separate emergency call buttons. A room temperature indication is also integrated.  
Color: black




|                        |   |
|------------------------|---|
| Power supply           | 9 – 16 VDC (via central bus)            |
| Current consumption    | Min. 40 mA<br>Typ. 70 mA<br>Max. 110 mA |
| Bus connection for     | 2 x central bus (max. 8)                |
| LCD Display            | LCD 2 x 16 characters                   |
| Operating temperature  | -10 ~ +50 °C                            |
| Housing material       | ABS-V0 black                            |
| Housing protection     | IP41                                    |
| Dimensions (W x H x D) | 145 x 126 x 22 mm                       |
| Weight                 | Ca 0.300 kg                             |
| Standard / approval    | EN 50131: Grade 2, Class II             |
| Data sheet             | 009093                                  |

S54543-F105-A100

## Intrusion Panels

### IC60 Keypads, Remote Controls and Card Readers

#### Remote Controls

| Type  | Order No.   |                                     |                     |                                 |             |       |                       |              |                  |        |                        |                             |                     |   |            |        |  |
|---|---|-------------------------------------|---------------------|---------------------------------|-------------|-------|-----------------------|--------------|------------------|--------|------------------------|-----------------------------|---------------------|---|------------|--------|--|
| <b>IRCW6-10</b><br>  | <b>A5Q00013945</b>  |                                     |                     |                                 |             |       |                       |              |                  |        |                        |                             |                     |   |            |        |  |
| <p><b>Remote control for IC60, white</b></p> <p>The IRCW6-10 remote control has an elegant and stylish design. With the remote control the IC60 system can be activated or deactivated without a code. It is secured with an individual 24 Bit encrypted code transmission and it is small enough to be used on a key ring. Additional integrated functions enable the remote operation of other devices such as lights, garage doors, etc. In addition, police or medical assistance can be requested through the integrated panic button.</p> <table border="0"> <tr> <td>Power supply</td> <td>Built-in battery (not rechargeable)</td> </tr> <tr> <td>Current consumption</td> <td>Standby: 6 mA<br/>Max.: 20 mA</td> </tr> <tr> <td>LCD Display</td> <td>1 LED</td> </tr> <tr> <td>Operating temperature</td> <td>-10 ~ +50 °C</td> </tr> <tr> <td>Housing material</td> <td>ABS-V0</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>57 x 30 x 13 mm</td> </tr> <tr> <td>Standard / approval</td> <td>EN 50131: Grade 2, Class II</td> </tr> <tr> <td>Data sheet</td> <td>009093</td> </tr> </table>  | Power supply  | Built-in battery (not rechargeable) | Current consumption | Standby: 6 mA<br>Max.: 20 mA    | LCD Display | 1 LED | Operating temperature | -10 ~ +50 °C | Housing material | ABS-V0 | Dimensions (W x H x D) | 57 x 30 x 13 mm             | Standard / approval | EN 50131: Grade 2, Class II   | Data sheet | 009093 |  |
| Power supply  | Built-in battery (not rechargeable)   |                                     |                     |                                 |             |       |                       |              |                  |        |                        |                             |                     |   |            |        |  |
| Current consumption   | Standby: 6 mA<br>Max.: 20 mA  |                                     |                     |                                 |             |       |                       |              |                  |        |                        |                             |                     |   |            |        |  |
| LCD Display   | 1 LED   |                                     |                     |                                 |             |       |                       |              |                  |        |                        |                             |                     |   |            |        |  |
| Operating temperature   | -10 ~ +50 °C  |                                     |                     |                                 |             |       |                       |              |                  |        |                        |                             |                     |   |            |        |  |
| Housing material  | ABS-V0  |                                     |                     |                                 |             |       |                       |              |                  |        |                        |                             |                     |   |            |        |  |
| Dimensions (W x H x D)  | 57 x 30 x 13 mm   |                                     |                     |                                 |             |       |                       |              |                  |        |                        |                             |                     |   |            |        |  |
| Standard / approval   | EN 50131: Grade 2, Class II   |                                     |                     |                                 |             |       |                       |              |                  |        |                        |                             |                     |   |            |        |  |
| Data sheet  | 009093  |                                     |                     |                                 |             |       |                       |              |                  |        |                        |                             |                     |   |            |        |  |
| <b>IRCW6-10B</b><br>  | <b>S54543-F108-A100</b>   |                                     |                     |                                 |             |       |                       |              |                  |        |                        |                             |                     |   |            |        |  |
| <p><b>Remote control for IC60, black</b></p> <p>The IRCW6-10B remote control has an elegant and stylish design. With the remote control the IC60 system can be activated or deactivated without a code. It is secured with an individual 24 Bit encrypted code transmission and it is small enough to be used on a key ring. Additional integrated functions enable the remote operation of other devices such as lights, garage doors, etc. In addition, police or medical assistance can be requested through the integrated panic button.</p> <table border="0"> <tr> <td>Power supply</td> <td>Built-in battery (not rechargeable)</td> </tr> <tr> <td>Current consumption</td> <td>Standby: 6 mA<br/>Max.: 20 mA</td> </tr> <tr> <td>LCD Display</td> <td>1 LED</td> </tr> <tr> <td>Operating temperature</td> <td>-10 ~ +50 °C</td> </tr> <tr> <td>Housing material</td> <td>ABS-V0</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>57 x 30 x 13 mm</td> </tr> <tr> <td>Standard / approval</td> <td>Complies with: EN 61000-6-3, EN 55022 Kl. B, EN 50130-4+A1+A2, EN 50371, EN 60950-1, EN 300220-3, EN 301489-3, EN 50131-1, EN50131-5-3, TS50131-3. Security Grade 2, Environmental Class II</td> </tr> <tr> <td>Data sheet</td> <td>009093</td> </tr> </table> | Power supply  | Built-in battery (not rechargeable) | Current consumption | Standby: 6 mA<br>Max.: 20 mA    | LCD Display | 1 LED | Operating temperature | -10 ~ +50 °C | Housing material | ABS-V0 | Dimensions (W x H x D) | 57 x 30 x 13 mm             | Standard / approval | Complies with: EN 61000-6-3, EN 55022 Kl. B, EN 50130-4+A1+A2, EN 50371, EN 60950-1, EN 300220-3, EN 301489-3, EN 50131-1, EN50131-5-3, TS50131-3. Security Grade 2, Environmental Class II | Data sheet | 009093 |  |
| Power supply  | Built-in battery (not rechargeable)   |                                     |                     |                                 |             |       |                       |              |                  |        |                        |                             |                     |   |            |        |  |
| Current consumption   | Standby: 6 mA<br>Max.: 20 mA  |                                     |                     |                                 |             |       |                       |              |                  |        |                        |                             |                     |   |            |        |  |
| LCD Display   | 1 LED   |                                     |                     |                                 |             |       |                       |              |                  |        |                        |                             |                     |   |            |        |  |
| Operating temperature   | -10 ~ +50 °C  |                                     |                     |                                 |             |       |                       |              |                  |        |                        |                             |                     |   |            |        |  |
| Housing material  | ABS-V0  |                                     |                     |                                 |             |       |                       |              |                  |        |                        |                             |                     |   |            |        |  |
| Dimensions (W x H x D)  | 57 x 30 x 13 mm   |                                     |                     |                                 |             |       |                       |              |                  |        |                        |                             |                     |   |            |        |  |
| Standard / approval   | Complies with: EN 61000-6-3, EN 55022 Kl. B, EN 50130-4+A1+A2, EN 50371, EN 60950-1, EN 300220-3, EN 301489-3, EN 50131-1, EN50131-5-3, TS50131-3. Security Grade 2, Environmental Class II |                                     |                     |                                 |             |       |                       |              |                  |        |                        |                             |                     |   |            |        |  |
| Data sheet  | 009093  |                                     |                     |                                 |             |       |                       |              |                  |        |                        |                             |                     |   |            |        |  |
| <b>IRCW6-1010</b><br>  | <b>S54543-F106-A100</b>   |                                     |                     |                                 |             |       |                       |              |                  |        |                        |                             |                     |   |            |        |  |
| <p><b>Set of colored remote controls for IC60</b></p> <p>The set consists out of 10 different colored remote controls. Colors: black, reflex blue, purple, red, green, pink, yellow, orange, light blue, light green.</p> <table border="0"> <tr> <td>Power supply</td> <td>Built-in battery</td> </tr> <tr> <td>Current consumption</td> <td>Standby: 6 mA<br/>Max.: 20 mA mA</td> </tr> <tr> <td>LCD Display</td> <td>1 LED</td> </tr> <tr> <td>Operating temperature</td> <td>-10 ~ +50 °C</td> </tr> <tr> <td>Housing material</td> <td>ABS-V0</td> </tr> <tr> <td>Standard / approval</td> <td>EN 50131: Grade 2, Class II</td> </tr> <tr> <td>Data sheet</td> <td>009093</td> </tr> </table>  | Power supply  | Built-in battery                    | Current consumption | Standby: 6 mA<br>Max.: 20 mA mA | LCD Display | 1 LED | Operating temperature | -10 ~ +50 °C | Housing material | ABS-V0 | Standard / approval    | EN 50131: Grade 2, Class II | Data sheet          | 009093  |            |        |  |
| Power supply  | Built-in battery  |                                     |                     |                                 |             |       |                       |              |                  |        |                        |                             |                     |   |            |        |  |
| Current consumption   | Standby: 6 mA<br>Max.: 20 mA mA   |                                     |                     |                                 |             |       |                       |              |                  |        |                        |                             |                     |   |            |        |  |
| LCD Display   | 1 LED   |                                     |                     |                                 |             |       |                       |              |                  |        |                        |                             |                     |   |            |        |  |
| Operating temperature   | -10 ~ +50 °C  |                                     |                     |                                 |             |       |                       |              |                  |        |                        |                             |                     |   |            |        |  |
| Housing material  | ABS-V0  |                                     |                     |                                 |             |       |                       |              |                  |        |                        |                             |                     |   |            |        |  |
| Standard / approval   | EN 50131: Grade 2, Class II   |                                     |                     |                                 |             |       |                       |              |                  |        |                        |                             |                     |   |            |        |  |
| Data sheet  | 009093  |                                     |                     |                                 |             |       |                       |              |                  |        |                        |                             |                     |   |            |        |  |



Type

Order No.

IAR6-30

Contactless ID access card reader

A5Q00013972



With its flat and compact design this card reader fits in seamlessly with the stylish design line of the IC60 range. It can be connected directly to the central bus and can operate as a keypad (without programming). All existing standard tags/cards with a 125 KHz operating frequency can be used and registered to the IC60, on site or remotely (max. 100 users in total).

|                        |                                    |
|------------------------|------------------------------------|
| Wireless module range  | Up to 300 m at open space          |
| Power supply           | 11 – 16 VDC (via central bus)      |
| Current consumption    | Typ. 40 mA<br>Max. 50 mA           |
| Outputs                | 12 VDC max. to 1 A external supply |
| Bus connection for     | 1x central bus (up to 8)           |
| LCD Display            | 2 LED's                            |
| Operating temperature  | -10 ~ +50 °C                       |
| Housing material       | ABS & epoxy                        |
| Housing protection     | IP54                               |
| Dimensions (W x H x D) | 45 x 121 x 21 mm                   |
| Data sheet             | 009093                             |

How can petrol  
theft be reduced?

How can the station be  
protected against  
break-ins and robberies?



## Using interoperable access control, intrusion detection and video surveillance systems.

Video surveillance continuously monitors and records all activities at the pumps, in the shop area and throughout the premises at all times. During out of hours the intrusion detection system protects the premises against break-ins, and during opening hours panic buttons link to an alarm receiving centre, in case of robberies, combined with visual verification via surveillance cameras ensures a fast response. The offices, storage, and sensitive areas are kept safe yet accessible to the right people at the right times with access control. Protecting people, processes and assets – you are secure with Siemens. [www.siemens.com/petrolstationsecurity](http://www.siemens.com/petrolstationsecurity)

Answers for infrastructure.

**SIEMENS**

# Intrusion Panels

## IC60 Accessories

### Communication and Verification Modules



Type

Order No.

IGS6-10

#### External GSM module, quad band with TCP/IP

A5Q00013943



The GSM module works as a backup transmission unit if the telephone line is down. Furthermore, it enables SMS messages to be sent to pre-programmed mobile phone numbers, giving information about the current situation at home or in the office. Voice transmission is not supported.

|                               |  |
|-------------------------------|--|
| Power supply                  | 10.5 - 14.5 VDC  |
| Current consumption           | Standby: 100 mA<br>Max. 200 mA   |
| Outputs                       | 1 x open collector 12 VDC / 0.1 A  |
| Power output                  | Class 4 EGSM850: 2 W<br>Class 4 EGSM900: 2 W<br>Class 1 EGSM1800: 1 W<br>Class 1 EGSM1900: 1 W |
| Operating frequency           | 900 MHz / 1800 MHz or 850 MHz / 1900 MHz   |
| Operating temperature         | -10 ~ +50 °C   |
| Storage temperature           | -20 ~ +60 °C   |
| Housing material              | ABS - V0   |
| Housing protection (EN 60529) | IP41 / IK02  |
| Battery                       | 12 V 1.3 Ah Lead Acid  |
| Battery charger               | Output: 260 mA for battery charging  |
| EMI rejection                 | Up to 2 GHz: > 10 V/m  |
| Humidity (EN60721)            | < 85 % r.h., no condensation   |
| Dimensions (W x H x D)        | 245 x 175 x 55 mm  |
| Weight                        | (incl. battery) 1.500 kg   |
| Data sheet                    | 009093   |

IAV6-90

#### Audio verification for IC60 compact

A5Q00013942



This module works as a two-way voice verification module and enables the control panel to be used as a communication point. This enables alarms to be verified by listening-in, a functionality normally required by Central Monitoring Stations (CMS) to reduce the cost of false alarms. The "listen-in" function can be activated from the outside with a security pin code or automatically in case of an alarm. In case of a medical emergency the operator can directly talk to the person in need. Several audio messages with a total length of up to 90 seconds can also be recorded with the integrated microphone, then stored and individually programmed for broadcast via the loudspeaker in case of an alarm. This unit works with the IC60 compact version only.



|                       |  |
|-----------------------|--|
| Power supply          | 7 - 15 VDC (via control panel data connection) |
| Current consumption   | Standby: 20 mA<br>Max. 120 mA                  |
| Maximum distance      | 8 m for listen in                              |
| Outputs               | Loudspeakers                                   |
| Inputs                | Microphone                                     |
| Bus connection for    | 1 x compact panel data connection              |
| Housing               | No housing                                     |
| Operating temperature | -10 ~ +50 °C                                   |
| Storage temperature   | -20 ~ +60 °C                                   |
| EMI rejection         | Up to 2 GHz > 10 V/m                           |
| Humidity (EN60721)    | < 85% r.h., no condensation                    |
| Data sheet            | 009093   |

16

## Intrusion Panels

### IC60 Accessories

### Communication and Verification Modules

| Type  | Order No.   |              |                               |                     |                    |                    |                           |           |               |             |                   |         |            |                       |              |                     |                |               |                    |                    |                            |                        |                 |                     |   |            |        |
|---|---|--------------|-------------------------------|---------------------|--------------------|--------------------|---------------------------|-----------|---------------|-------------|-------------------|---------|------------|-----------------------|--------------|---------------------|----------------|---------------|--------------------|--------------------|----------------------------|------------------------|-----------------|---------------------|---|------------|--------|
| IRFW6-10  | A5Q00013940   |              |                               |                     |                    |                    |                           |           |               |             |                   |         |            |                       |              |                     |                |               |                    |                    |                            |                        |                 |                     |   |            |        |
|    | <p><b>Wireless receiver module, SiWay</b></p> <p>The IRFW6-10 is an internal RF Receiver Module (868MHz) for IC60. When built into the control panel, the receiver module is able to operate 16 wireless devices from the IC60 product range, and up to 16 remote controls. The signal is transmitted within a secured frequency range (868 MHz in Europe), with encrypted information. If the frequency is blocked or jammed, an alarm signal will be generated. To overcome transmission problems an additional receiver module can be mounted externally and connected to the central bus.</p> <table border="0"> <tr> <td>Power supply</td> <td>7 – 15 VDC (via central bus)</td> </tr> <tr> <td>Current consumption</td> <td>Typ. 22 mA typical</td> </tr> <tr> <td>Bus connection for</td> <td>1 x central bus connector</td> </tr> <tr> <td>Frequency</td> <td>868 MHz / FSK</td> </tr> <tr> <td>Sensitivity</td> <td>- 105 dBm typical</td> </tr> <tr> <td>Housing</td> <td>No housing</td> </tr> <tr> <td>Operating temperature</td> <td>-10 ~ +50 °C</td> </tr> <tr> <td>Storage temperature</td> <td>- 20 ~ + 60 °C</td> </tr> <tr> <td>EMI rejection</td> <td>Up to 2 GHz:&gt;10V/m</td> </tr> <tr> <td>Humidity (EN60721)</td> <td>&lt; 85% r.h., non condensing</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>99 x 55 x 65 mm</td> </tr> <tr> <td>Standard / approval</td> <td>EN 50130-4+A1+A2, EN 301489-1, EN 60950-1, EN 61000-6-3, EN 55022 Kl.B, EN 300220-3</td> </tr> <tr> <td>Data sheet</td> <td>009093</td> </tr> </table> | Power supply | 7 – 15 VDC (via central bus)  | Current consumption | Typ. 22 mA typical | Bus connection for | 1 x central bus connector | Frequency | 868 MHz / FSK | Sensitivity | - 105 dBm typical | Housing | No housing | Operating temperature | -10 ~ +50 °C | Storage temperature | - 20 ~ + 60 °C | EMI rejection | Up to 2 GHz:>10V/m | Humidity (EN60721) | < 85% r.h., non condensing | Dimensions (W x H x D) | 99 x 55 x 65 mm | Standard / approval | EN 50130-4+A1+A2, EN 301489-1, EN 60950-1, EN 61000-6-3, EN 55022 Kl.B, EN 300220-3 | Data sheet | 009093 |
| Power supply  | 7 – 15 VDC (via central bus)  |              |                               |                     |                    |                    |                           |           |               |             |                   |         |            |                       |              |                     |                |               |                    |                    |                            |                        |                 |                     |   |            |        |
| Current consumption   | Typ. 22 mA typical  |              |                               |                     |                    |                    |                           |           |               |             |                   |         |            |                       |              |                     |                |               |                    |                    |                            |                        |                 |                     |   |            |        |
| Bus connection for  | 1 x central bus connector   |              |                               |                     |                    |                    |                           |           |               |             |                   |         |            |                       |              |                     |                |               |                    |                    |                            |                        |                 |                     |   |            |        |
| Frequency   | 868 MHz / FSK   |              |                               |                     |                    |                    |                           |           |               |             |                   |         |            |                       |              |                     |                |               |                    |                    |                            |                        |                 |                     |   |            |        |
| Sensitivity   | - 105 dBm typical   |              |                               |                     |                    |                    |                           |           |               |             |                   |         |            |                       |              |                     |                |               |                    |                    |                            |                        |                 |                     |   |            |        |
| Housing   | No housing  |              |                               |                     |                    |                    |                           |           |               |             |                   |         |            |                       |              |                     |                |               |                    |                    |                            |                        |                 |                     |   |            |        |
| Operating temperature   | -10 ~ +50 °C  |              |                               |                     |                    |                    |                           |           |               |             |                   |         |            |                       |              |                     |                |               |                    |                    |                            |                        |                 |                     |   |            |        |
| Storage temperature   | - 20 ~ + 60 °C  |              |                               |                     |                    |                    |                           |           |               |             |                   |         |            |                       |              |                     |                |               |                    |                    |                            |                        |                 |                     |   |            |        |
| EMI rejection   | Up to 2 GHz:>10V/m  |              |                               |                     |                    |                    |                           |           |               |             |                   |         |            |                       |              |                     |                |               |                    |                    |                            |                        |                 |                     |   |            |        |
| Humidity (EN60721)  | < 85% r.h., non condensing  |              |                               |                     |                    |                    |                           |           |               |             |                   |         |            |                       |              |                     |                |               |                    |                    |                            |                        |                 |                     |   |            |        |
| Dimensions (W x H x D)  | 99 x 55 x 65 mm   |              |                               |                     |                    |                    |                           |           |               |             |                   |         |            |                       |              |                     |                |               |                    |                    |                            |                        |                 |                     |   |            |        |
| Standard / approval   | EN 50130-4+A1+A2, EN 301489-1, EN 60950-1, EN 61000-6-3, EN 55022 Kl.B, EN 300220-3   |              |                               |                     |                    |                    |                           |           |               |             |                   |         |            |                       |              |                     |                |               |                    |                    |                            |                        |                 |                     |   |            |        |
| Data sheet  | 009093  |              |                               |                     |                    |                    |                           |           |               |             |                   |         |            |                       |              |                     |                |               |                    |                    |                            |                        |                 |                     |   |            |        |
| IRFW6-12  | S54538-F104-A100  |              |                               |                     |                    |                    |                           |           |               |             |                   |         |            |                       |              |                     |                |               |                    |                    |                            |                        |                 |                     |   |            |        |
|  | <p><b>Wireless receiver module, Si2Way</b></p> <p>The IRFW6-12 is a Si2Way radio module which is required for IC60 panels communication with Si2Way devices (e.g. outdoor siren). It should be internally mounted into the panel.</p> <table border="0"> <tr> <td>Power supply</td> <td>7 – 15 V DC (via central bus)</td> </tr> <tr> <td>Current consumption</td> <td>Typ. 22 mA typical</td> </tr> <tr> <td>Bus connection for</td> <td>1 x central bus connector</td> </tr> <tr> <td>Frequency</td> <td>868 MHz / FSK</td> </tr> <tr> <td>Sensitivity</td> <td>- 105 dBm typical</td> </tr> <tr> <td>Housing</td> <td>No housing</td> </tr> <tr> <td>Operating temperature</td> <td>-10 ~ +50 °C</td> </tr> <tr> <td>Storage temperature</td> <td>- 20 ~ + 60 °C</td> </tr> <tr> <td>EMI rejection</td> <td>Up to 2 GHz:&gt;10V/m</td> </tr> <tr> <td>Humidity (EN60721)</td> <td>&lt; 85% r.h., non condensing</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>99 x 55 x 65 mm</td> </tr> <tr> <td>Standard / approval</td> <td>EN 50130-4+A1+A2, EN 301489-1, EN 60950-1, EN 61000-6-3, EN 55022 Kl.B, EN 300220-3</td> </tr> <tr> <td>Data sheet</td> <td>009093</td> </tr> </table>  | Power supply | 7 – 15 V DC (via central bus) | Current consumption | Typ. 22 mA typical | Bus connection for | 1 x central bus connector | Frequency | 868 MHz / FSK | Sensitivity | - 105 dBm typical | Housing | No housing | Operating temperature | -10 ~ +50 °C | Storage temperature | - 20 ~ + 60 °C | EMI rejection | Up to 2 GHz:>10V/m | Humidity (EN60721) | < 85% r.h., non condensing | Dimensions (W x H x D) | 99 x 55 x 65 mm | Standard / approval | EN 50130-4+A1+A2, EN 301489-1, EN 60950-1, EN 61000-6-3, EN 55022 Kl.B, EN 300220-3 | Data sheet | 009093 |
| Power supply  | 7 – 15 V DC (via central bus)   |              |                               |                     |                    |                    |                           |           |               |             |                   |         |            |                       |              |                     |                |               |                    |                    |                            |                        |                 |                     |   |            |        |
| Current consumption   | Typ. 22 mA typical  |              |                               |                     |                    |                    |                           |           |               |             |                   |         |            |                       |              |                     |                |               |                    |                    |                            |                        |                 |                     |   |            |        |
| Bus connection for  | 1 x central bus connector   |              |                               |                     |                    |                    |                           |           |               |             |                   |         |            |                       |              |                     |                |               |                    |                    |                            |                        |                 |                     |   |            |        |
| Frequency   | 868 MHz / FSK   |              |                               |                     |                    |                    |                           |           |               |             |                   |         |            |                       |              |                     |                |               |                    |                    |                            |                        |                 |                     |   |            |        |
| Sensitivity   | - 105 dBm typical   |              |                               |                     |                    |                    |                           |           |               |             |                   |         |            |                       |              |                     |                |               |                    |                    |                            |                        |                 |                     |   |            |        |
| Housing   | No housing  |              |                               |                     |                    |                    |                           |           |               |             |                   |         |            |                       |              |                     |                |               |                    |                    |                            |                        |                 |                     |   |            |        |
| Operating temperature   | -10 ~ +50 °C  |              |                               |                     |                    |                    |                           |           |               |             |                   |         |            |                       |              |                     |                |               |                    |                    |                            |                        |                 |                     |   |            |        |
| Storage temperature   | - 20 ~ + 60 °C  |              |                               |                     |                    |                    |                           |           |               |             |                   |         |            |                       |              |                     |                |               |                    |                    |                            |                        |                 |                     |   |            |        |
| EMI rejection   | Up to 2 GHz:>10V/m  |              |                               |                     |                    |                    |                           |           |               |             |                   |         |            |                       |              |                     |                |               |                    |                    |                            |                        |                 |                     |   |            |        |
| Humidity (EN60721)  | < 85% r.h., non condensing  |              |                               |                     |                    |                    |                           |           |               |             |                   |         |            |                       |              |                     |                |               |                    |                    |                            |                        |                 |                     |   |            |        |
| Dimensions (W x H x D)  | 99 x 55 x 65 mm   |              |                               |                     |                    |                    |                           |           |               |             |                   |         |            |                       |              |                     |                |               |                    |                    |                            |                        |                 |                     |   |            |        |
| Standard / approval   | EN 50130-4+A1+A2, EN 301489-1, EN 60950-1, EN 61000-6-3, EN 55022 Kl.B, EN 300220-3   |              |                               |                     |                    |                    |                           |           |               |             |                   |         |            |                       |              |                     |                |               |                    |                    |                            |                        |                 |                     |   |            |        |
| Data sheet  | 009093  |              |                               |                     |                    |                    |                           |           |               |             |                   |         |            |                       |              |                     |                |               |                    |                    |                            |                        |                 |                     |   |            |        |

# Intrusion Panels

## IC60 Accessories

### Expander and Relay Modules



Type

Order No.

IZE6-04

#### Four wired zone expander module



With this unit, 4 additional wired zones can be connected to the IC60 control panel. The module can be integrated within the control panel (modular version) or mounted externally (compact version) to save cabling via a connection to the terminal block of the inputs. Up to 4 modules can be used with one IC60 panel (e.g. max 16 wired zones).

|                        |                            |
|------------------------|----------------------------|
| Power supply           | Connected to zone          |
| Current consumption    | Resistor only / no power   |
| Operating temperature  | -10 ~ +50 °C               |
| Storage temperature    | -20 ~ +60 °C               |
| Housing                | No housing                 |
| EMI rejection          | Up to 2GHz > 10V/m         |
| Humidity (EN60721)     | < 85% r.h., non condensing |
| LCD Display            | None                       |
| Dimensions (W x H x D) | 45 x 31 x 12 mm            |
| Data sheet             | 009093                     |

A5Q00020291

IRO6-04

#### Relay output module 4 x 12V / 1A



The IRO6-04 is an external relay output module for IC60 with 4 Relays (12V/1A). With this unit 4 additional output relays can be connected to the IC60 control panel. The module can be mounted externally to save cabling, via a connection to the central bus (modular version). UP to 2 modules can be used with each IC60 panel (e.g. max. 8 programmable outputs).



|                        |   |
|------------------------|---|
| Power supply           | 11 - 16 VDC (via central bus)                               |
| Current consumption    | Active: 20 mA per active relay<br>Standby: 15 mA            |
| Outputs                | 4 x relay 12 VDC / 1 A<br>4 x open collector 12 VDC / 0.1 A |
| Operating temperature  | -10 ~ +50 °C  |
| Storage temperature    | - 20 ~ +60 °C   |
| Housing                | No housing built-in modular unit                            |
| EMI rejection          | Up to 1 GHz >10 V/m   |
| Humidity (EN60721)     | < 85% r.h., no condensation                                 |
| Dimensions (W x H x D) | 102 x 59 x 16 mm  |
| Data sheet             | 009093  |

A5Q00013944

## Intrusion Panels

### IC60 Accessories

#### Vertical and Horizontal Lexan Mounting Sets

| Type      |  | Order No.         |
|-----------|--|-------------------|
| IVK-6     | <p><b>Vertical mounting kit</b></p> <p>The IVK-6 is a vertical mounting Kit for IC60. This kit contains an additional white front cover and an additional vertical keypad with button, to be exchanged with the existing horizontal button keypad version. These two parts are necessary to convert the IC60 compact into a vertical panel. No additional material is needed. Different colours are available for vertical and horizontal mounting options.</p>  <p>Housing Built-in compact only<br/>Data sheet 009093</p> | A5Q00020294       |
| IVK-6-08  | <p><b>Vertical mounting set, 8 colored Lexan</b></p> <p>Vertical mounting set with 8 samples of different coloured Lexan covers and 1 milky buttons for vertical mounting. One piece includes 8 parts.</p> <p>The sets include the following colors: black (Pantone black), purple (Pantone 220C), silver (Pantone 877), dark wood, yellow (Pantone 1205), light blue (Pantone 290), light green (Pantone 372) and peach (Pantone 148).</p>  <p>Housing Built-in compact only<br/>Data sheet 009093</p>                    | S54559-B105-A100  |
| IHK6-05.. | <p><b>Horizontal Lexan</b></p> <p>Horizontal mounting set with 5 pcs of Lexan covers. One set includes 5 Lexan covers of the same colour.</p> <p>Housing Built-in only compact</p>   | IHK6-05..         |
| IHK6-05L  | <p><b>Horizontal Lexan, lt. blue, 5 pcs</b></p> <p>See IHK6-05.. for technical overview and note the additional / other specifications:</p> <p>Colour Light blue</p>   | S54559-B107-A100  |
| IHK6-05G  | <p><b>Horizontal Lexan, lt. green, 5 pcs</b></p> <p>See IHK6-05.. for technical overview and note the additional / other specifications:</p> <p>Colour Light green</p>   | SS54559-B108-A100 |
| IHK6-05V  | <p><b>Horizontal Lexan, violett, 5 ST</b></p> <p>See IHK6-05.. for technical overview and note the additional / other specifications:</p> <p>Colour Violett</p>  | S54559B109-A100   |
| IHK6-05P  | <p><b>Horizontal Lexan, peach, 5 pcs</b></p> <p>See IHK6-05.. for technical overview and note the additional / other specifications:</p> <p>Colour Peach</p>   | S54559-B110-A100  |








# Intrusion Panels



## IC60 Accessories

### Vertical and Horizontal Buttons Mounting Sets

| Type   | Order No.                      |
|--|--------------------------------|
| <p><b>IHB..</b>                      <b>IHB... spare buttons for IC60 vertical mounted</b></p> <p>5 x Buttons for mounting in a IC60 compact panel for vertical mounting direction, with printing of characters in horizontal direction. Available in 3 different color versions. Black, White and Milky which is color neutral and can fit to every colour of the IC60 control panel.</p> <p>Dimensions (W x H x D)                      127 x 70 x 6 mm<br/>           Weight    0.020 kg<br/>           Data sheet    009093</p>              | <p><b>IHB..</b></p>            |
| <p><b>IHB-6B</b>                      <b>Black buttons x5 for IC60 vertical compact panel</b></p> <p>See IHB.. for technical overview and note the additional / other specifications:</p> <p>Colour    Black buttons</p>    | <p><b>S54559-B103-A100</b></p> |
| <p><b>IHB-6M</b>                      <b>Milky buttons x5 for IC60 vertical compact panel</b></p> <p>See IHB.. for technical overview and note the additional / other specifications:</p> <p>Colour    Milky buttons</p>    | <p><b>S54559-B103-A200</b></p> |
| <p><b>IHB-6W</b>                      <b>White buttons x5 for IC60 vertical compact panel</b></p> <p>See IHB.. for technical overview and note the additional / other specifications:</p> <p>Colour    White buttons</p>    | <p><b>S54559-B103-A300</b></p> |
| <p><b>IVB..</b>                      <b>IVB... spare buttons for IC60 horizontal mounted</b></p> <p>5 x Buttons for mounting in a IC60 compact panel for horizontal mounting direction, with printing of characters in vertical direction. Available in 3 different color versions. Black, White and Milky which is color neutral and can fit to every colour of the IC60 control panel.</p> <p>Housing    Built-in only compact<br/>           Dimensions (W x H x D)                      127 x 70 x 6<br/>           Data sheet    009093</p> | <p><b>IVB..</b></p>            |



Intrusion Panels  
**IC60 Accessories**  
**Other Accessories**

| Type   | Order No.          |
|--|--------------------|
| <b>IMM6-1</b><br><br>   | <b>A5Q00013954</b> |
| <p><b>Memory stick</b></p> <p>The memory stick enables a quick on-site programming, with easy up- or download of special customer default settings. The memory stick can store one default setting for one IC60 panel.</p> <p>Operating temperature                    -10 ~ +50 °C<br/> Storage temperature                        -20 ~ +60 °C<br/> Dimensions (W x H x D)                    57 x 11 x 13 mm<br/> Data sheet                                      009093</p>  |                    |
| <b>IAQ6-1</b><br><br>  | <b>A5Q00013952</b> |
| <p><b>PC interface cable USB</b></p> <p>The connection cable enables direct connection between a PC and the IC60 control panel for direct programming and printing of the memory log. The product consists of a standard mini USB cable and a special IC60 communication interface connector.</p> <p>Connectors                                    USB Type A<br/> Operating system                            Windows XP<br/> Operating temperature                    -10 ~ +50 °C<br/> Storage temperature                        -20 ~ +60 °C<br/> Dimensions (W x H x D)                    57 x 11 x 13 mm<br/> Data sheet                                      009093</p> |                    |

# Intrusion Panels IC60 Accessories Batteries



Type

Order No.

IAB1201-8

## Battery pack NiMh 12/1.8 AH

A5Q00020293



The battery pack is a rechargeable nickel metal hydride battery. This battery pack is used as an internal backup battery for the IC60-W-10 control panel.

Attention: This battery type is self discharging after 6 months. Periodic charging is needed on stock, otherwise the battery might be damaged!

|                        |                 |
|------------------------|-----------------|
| Battery type           | 12 V            |
| Battery capacity       | 1.8 Ah          |
| Dimensions (W x H x D) | 72 x 29 x 51 mm |
| Weight                 | 0.290 kg        |
| Data sheet             | 009093          |



## What happens if there is a fire in one of the offices?

We offer protection by combining interoperable security, fire safety and building management systems.

As emergency lighting is automatically switched on, ventilation will be controlled, with the alarm being transmitted to first responders offering visual verification, all while restricting access to elevators and doors in the alarm area and guiding people away to safety via the voice evacuation system.  
[www.siemens.com/interoperability](http://www.siemens.com/interoperability)

Answers for infrastructure.

**SIEMENS**

## Type Index

| Type         | Description  | Order No.        | Page |
|--------------|--|------------------|------|
| ADM-I12W1    | Wireless Fresnel PIR detector, 12 m wide angle   | S54538-F105-A100 | 1-21 |
| ADM-Q12      | Fresnel PIR detector, 12 m wide angle  | S54530-F102-A100 | 2-3  |
| ADM-Q12T     | Fresnel PIR detector with real-time antimask surveillance, 12 m wide angle                         | S54530-F103-A100 | 2-3  |
| ADM-QKA12    | Fresnel PIR/MW motion detector, 12 m wide angle, 24.125 GHz  | S54531-F105-A100 | 2-4  |
| ADM-QKA12T   | Fresnel dual detector with real-time antimask surveillance, 12 m wide angle, 24.125 GHz            | S54531-F111-A100 | 2-6  |
| ADM-QXA12    | Fresnel PIR/MW motion detector, 12 m wide angle, 10.525 GHz  | S54531-F101-A100 | 2-4  |
| ADM-QXA12T   | Fresnel PIR/MW motion detector with real time antimask surveillance, 12 m wide angle, 10.525 GHz   | S54531-F107-A100 | 2-5  |
| ADM-QXB12    | Fresnel PIR/MW motion detector, 12 m wide angle, 9.9 GHz   | S54531-F103-A100 | 2-4  |
| ADM-QXB12T   | Fresnel PIR/MW motion detector with real-time antimask surveillance, 12 m wide angle, 9.9 GHz      | S54531-F109-A100 | 2-5  |
| ADM-QXC12    | Fresnel PIR/MW motion detector, 12 m wide angle, 10.687 GHz  | S54531-F104-A100 | 2-4  |
| ADM-QXC12T   | Fresnel PIR/MW motion detector with real-time antimask surveillance, 12 m wide angle, 10.687 GHz   | S54531-F110-A100 | 2-5  |
| ADM-QXD12    | Fresnel PIR/MW motion detector, 12 m wide angle, 9.35 GHz  | S54531-F102-A100 | 2-4  |
| ADM-QXD12T   | Fresnel PIR/MW motion detector with real-time antimask surveillance, 12 m wide angle, 9.35 GHz     | S54531-F108-A100 | 2-5  |
| ADM-Qxx12..  | Fresnel PIR/MW motion detector, 12 m wide angle  | ADM_Qxx12..      | 2-4  |
| ADM-Qxx12T.. | Fresnel PIR/MW motion detector with real-time antimask surveillance, 12 m wide angle               | ADM-Qxx12T..     | 2-5  |
| AGB600       | Audio glass break detector   | A5Q00001591      | 5-2  |
| AO-C25       | Curtain lens set (12 pcs)  | S54539-F102-A100 | 2-10 |
| AO-PA..      | End of Line board type A for 2-wire installations with and without End of Line resistor            | AO-PA..          | 2-8  |
| AO-PA2247    | EOL pcb 2-wire, 2k2, 4k7   | S54539-F109-A200 | 2-8  |
| AO-PA4722    | EOL pcb 2-wire, 4k7, 2k2   | S54539-F109-A300 | 2-8  |
| AO-PA4747    | EOL pcb 2-wire, 4k7, 4k7   | S54539-F109-A100 | 2-8  |
| AO-PB..      | End of Line board type B for 2- and 4-wire installations with End of Line resistor only            | AO-PB..          | 2-8  |
| AO-PB2247    | EOL pcb 2-/4-wire, 2k2, 4k7  | S54539-F110-A200 | 2-9  |
| AO-PB4722    | EOL pcb 2-/4-wire, 4k7, 2k2  | S54539-F110-A300 | 2-9  |
| AO-PB4747    | EOL pcb 2-/4-wire, 4k7, 4k7  | S54539-F110-A100 | 2-8  |
| AO-PC..      | End of Line board type C for 2-/4- and 6-wire installations with and without End of Line resistor. | AO-PC..          | 2-9  |
| AO-PC2247    | EOL pcb 2-/4-/6-wire, 2k2, 4k7   | S54539-F111-A200 | 2-9  |
| AO-PC4722    | EOL pcb 2-/4-/6-wire, 4k7, 2k2   | S54539-F111-A300 | 2-9  |
| AO-PC4747    | EOL pcb 2-/4-/6-wire, 4k7, 4k7   | S54539-F111-A100 | 2-9  |
| AO-WL10k     | White light filter (12 pcs)  | S54539-F103-A100 | 2-10 |
| AT11W        | Alarm button for surface mounting (white)  | BPZ:3889000001   | 5-6  |
| AT11W A/7    | Replacement paper disc for AT11W/ AT12W (100 pcs)  | BPZ:4198240001   | 5-6  |
| AT12W        | Alarm button for recess mounting (white)   | BPZ:3889130001   | 5-6  |
| AZ-MBG..     | Wall mount bracket with tamper switch  | AZ-MBG..         | 2-10 |
| AZ-MBG2      | Wall mount bracket, G2   | S54593-F105-A100 | 2-10 |
| AZ-MBG3      | Wall mount bracket with tamper switch, G3  | S54539-F107-A100 | 2-11 |
| BP-200F      | Pole mounting cover for IS44x beams  | BPZ:5386240001   | 3-15 |
| BP-60TE      | Pole mounting cover for IS43x beams  | BPZ:5386370001   | 3-14 |
| FAT6 A/7     | Replacement paper disc for FAT7 (10 pcs)   | BPZ:2566500001   | 5-6  |
| FAT7         | Alarm button for installation in desks and counters  | BPZ:2937810001   | 5-6  |
| FK32         | Hold-up foot rail  | BPZ:2305530001   | 5-5  |
| FKL3         | L-bracket for wall mounting  | BPZ:2446170001   | 5-5  |
| FKZ3         | Z-bracket for floor mounting   | BPZ:2446200001   | 5-5  |

## Type Index

| Type      | Description   | Order No.         | Page      |
|-----------|---|-------------------|-----------|
| GM570LSN  | Seismic detector for LSN, VdS approval  | BPZ:5395000001    | 4-6       |
| GM580LSN  | Watertight seismic detector, VdS approval   | A5Q00001640       | 4-6       |
| GM710     | Seismic detector with standard functionality for steel applications   | S54534-F106-A100  | 4-4       |
| GM730     | Seismic detector with advanced functionality for steel applications   | S54534-F107-A100  | 4-4       |
| GM760     | Seismic detector for multi-purpose use  | S54534-F108-A100  | 4-5       |
| GM775     | Seismic detector for intelligent multi-purpose use  | S54534-F109-A100  | 4-5       |
| GMAS6     | Keyhole protection fixing device for seismic detectors  | BPZ:4886060001    | 4-10      |
| GMSW7     | SensTool interface and software for seismic detectors GM730/760/775   | A5Q00006246       | 4-9       |
| GMXB0     | Floor box for seismic detectors   | BPZ:2772020001    | 4-10      |
| GMXD7     | Anti-drilling foil for GM730, GM760 and GM775   | A5Q00006245       | 4-11      |
| GMXP0     | Mounting plate for seismic detectors  | BPZ:2772730001    | 4-9       |
| GMXP3     | Swivel plate for seismic detectors  | BPZ:3470190001    | 4-9       |
| GMXP3-A   | Adaptor plate for GMXP3/GMXP3Z  | S54534-F105-A100  | 4-11      |
| GMXP3Z    | Swivel plate for seismic detectors  | 5712410001        | 4-9       |
| GMXS1     | Test transmitter for GM730/760/775/570LSN   | BPZ:4202370001    | 4-8       |
| GMXS5     | External test transmitter for seismic detectors   | BPZ:5627000001    | 4-8       |
| GMXW0     | Wall recess box with cover for seismic detectors  | BPZ:2771210001    | 4-11      |
| GMXWG0H   | Watertight housing for seismic detectors  | BPZ:3720260001    | 4-11      |
| GMYA7-A   | Alarm indicator module  | S54534-F102-A100  | 4-8       |
| GMYA7-AS  | Alarm indication system with key module and indicator module  | S54534-F101-A100  | 4-8       |
| GT2       | Test unit for AGB600 and IGBW6  | BPZ:5074190001    | 1-28, 5-2 |
| HTF-24    | Heater for IS44x beams  | BPZ:5386110001    | 3-15      |
| IAB1201-8 | Battery pack NiMh 12/1.8 AH   | A5Q00020293       | 16-9      |
| IAQ6-1    | PC interface cable USB  | A5Q00013952       | 16-8      |
| IAR6-30   | Contactless ID access card reader   | A5Q00013972       | 15-3      |
| IAV6-90   | Audio verification for IC60 compact   | A5Q00013942       | 16-1      |
| IC60-8    | IC60 compact panel 8 zones incl. LCD, AC / DC converter, no battery   | A5Q00013934       | 13-5      |
| IC60..    | IC60 compact panel 8-16 zones   | IC60..            | 13-4      |
| IC60M-8   | IC60 in small modular housing 8-16 zones  | A5Q00013933       | 13-6      |
| IC60W-10  | IC60 compact panel 8 - 16 zones incl. LCD, with wireless receiver, AC/DC converter, no battery.                           | A5Q00013935       | 13-5      |
| IC60WA-10 | IC60 compact panel 8 - 16 zones incl. LCD, with wireless receiver, AC/DC converter, no battery, audio verification module | A5Q00013936       | 13-5      |
| IEGW6-12  | SiWay/Si2Way E-Bus gateway  | S54554-F102-A100  | 9-6       |
| IGBW6-10  | Wireless glass break detector, incl. battery  | A5Q00013964       | 1-25      |
| IGS6-10   | External GSM module, quad band with TCP/IP  | A5Q00013943       | 16-1      |
| IHB-6B    | Black buttons x5 for IC60 vertical compact panel  | S54559-B103-A100  | 16-6      |
| IHB-6M    | Milky buttons x5 for IC60 vertical compact panel  | S54559-B103-A200  | 16-6      |
| IHB-6W    | White buttons x5 for IC60 vertical compact panel  | S54559-B103-A300  | 16-6      |
| IHB..     | IHB... spare buttons for IC60 vertical mounted  | IHB..             | 16-6      |
| IHK6-05.. | Horizontal Lexan  | IHK6-05..         | 16-4      |
| IHK6-05B  | Horizontal Lexan, black, 5 pcs  | S54559-B114-A100  | 16-5      |
| IHK6-05G  | Horizontal Lexan, lt. green, 5 pcs  | SS54559-B108-A100 | 16-4      |
| IHK6-05L  | Horizontal Lexan, lt. blue, 5 pcs   | S54559-B107-A100  | 16-4      |
| IHK6-05P  | Horizontal Lexan, peach, 5 pcs  | S54559-B110-A100  | 16-4      |
| IHK6-05S  | Horizontal Lexan, silver, 5 pcs   | S54559-B112-A100  | 16-5      |
| IHK6-05V  | Horizontal Lexan, violett, 5 ST   | S54559B109-A100   | 16-4      |
| IHK6-05W  | Horizontal Lexan, wood, 5 pcs   | S54559-B113-A100  | 16-5      |
| IHK6-05Y  | Horizontal Lexan, yellow, 5 pcs   | S54559-B111-A100  | 16-5      |
| IKP6-03   | Wireless LED keypad   | A5Q00020290       | 15-1      |



## Type Index

| Type       | Description  | Order No.        | Page |
|------------|--|------------------|------|
| IKP6-03B   | External LCD keypad black with large display and temperature indication                        | S54543-F105-A100 | 15-1 |
| IKPW6-10   | Wireless LED keypad  | S54543-F107-A103 | 1-28 |
| IMKW6-10   | Wireless door/window contact, incl. battery  | A5Q00013961      | 1-24 |
| IMM6-1     | Memory stick   | A5Q00013954      | 16-8 |
| IOPW6-11   | Wireless smoke detector, incl. battery, VdS approval   | S54538-F101-A100 | 1-26 |
| IPIC..     | Kit packaging of IC60 compact or modular panel with 8-16 hard-wired or wireless zones (868MHz) | IPIC..           | 14-1 |
| IPIC60-101 | Kit IC60 modular housing, wired, ext. LCD keypad, 3PIR IR80, no battery                        | A5Q00013973      | 14-1 |
| IPIC60-111 | Kit IC60 compact panel, 3PIR IR80 wired, 1remote control                                       | A5Q00013976      | 14-2 |
| IPIC60-112 | Kit IC60 compact panel, wireless, audio verification, 2PIR IR60, 1MK, 1 remote control         | A5Q00013977      | 14-2 |
| IPIC60-121 | Kit IC60 compact panel, wireless, 3PIR IR60, 1remote control                                   | A5Q00013979      | 14-3 |
| IPIC60-123 | Kit IC60 compact panel, wireless, 2PIR IR60, 1MK, 1 remote control                             | A5Q00013981      | 14-3 |
| IR100B     | PIR detector, 12 m wide angle  | A5Q00002206      | 1-3  |
| IR120..    | PIR detector, 12 m wide angle, black mirror optics   | IR120..          | 1-4  |
| IR120C     | PIR detector, 12 m wide angle, black mirror optics, VdS approval, pet immunity                 | BPZ:5403790001   | 1-4  |
| IR120LSN   | PIR detector, 12 m wide angle, black mirror, LSN, VdS approval, pet immunity                   | BPZ:5628940001   | 1-5  |
| IR120MD    | PIR detector, 12 m wide angle, black mirror optics, alarm memory, pet immunity, VdS approval   | BPZ:5402980001   | 1-4  |
| IR120S     | PIR detector, 12 m wide angle, black mirror optics, warm ambient conditions, pet immunity      | A5Q00001761      | 1-4  |
| IR120UL    | PIR detector, 12 m wide angle, black mirror optics, UL approval, pet immunity                  | A5Q00003264      | 1-4  |
| IR160W6-10 | Wireless PIR detector, black triplex mirror, incl. battery                                     | A5Q00013963      | 1-22 |
| IR200..    | PIR detector, 15 m wide angle  | IR200..          | 1-5  |
| IR200C-II  | PIR detector, 15 m wide angle  | BPZ:5619210001   | 1-5  |
| IR200CD    | PIR detector, 15 m wide angle, VdS approval  | BPZ:5193710001   | 1-5  |
| IR200LSN   | PIR detector, 15 m wide angle, VdS approval, LSN   | BPZ:5499560001   | 1-6  |
| IR200ME    | PIR detector, 15 m wide angle, set/unset input; VdS approval                                   | BPZ:5193680001   | 1-5  |
| IR261      | PIR for ceiling  | BPZ:5667770001   | 1-16 |
| IR270..    | PIR detector, 18 m wide angle  | IR270..          | 1-6  |
| IR270C     | PIR detector, 18 m wide angle  | BPZ:5714870001   | 1-6  |
| IR270CT    | PIR detector, 18 m wide angle with real-time antimask surveillance for warm ambient conditions | A5Q00003273      | 1-9  |
| IR270MD    | PIR detector, 18 m wide angle, VdS approval  | A5Q00001864      | 1-6  |
| IR270T     | PIR detector, 18 m wide angle with real-time antimask surveillance                             | BPZ:5627130001   | 1-9  |
| IR310C     | PIR detector, 18 m wide angle  | BPZ:4455550001   | 1-7  |
| IR310CD    | PIR detector, 18 m wide angle, VdS approval  | BPZ:4463630001   | 1-7  |
| IR310MD    | PIR detector, 18 m wide angle  | BPZ:4459080001   | 1-8  |
| IR312C     | PIR detector, 50 m long range curtain  | BPZ:4459660001   | 1-7  |
| IR312CD    | PIR detector, 50 m long range curtain, VdS approval  | BPZ:4462110001   | 1-8  |
| IR312MD    | PIR detector, 50 m long range curtain  | BPZ:4461010001   | 1-8  |
| IR31xC..   | PIR detector, 18 m wide angle / 50 m long range curtain  | IR31xC..         | 1-7  |
| IR31xCD..  | PIR detector, 18 m wide angle / 50 m long range curtain, VdS approval                          | IR31xCD..        | 1-7  |
| IR31xMD..  | PIR detector, 18 m wide angle / 50 m long range curtain, alarm memory                          | IR31xMD..        | 1-8  |
| IR60W6-10  | Wireless PIR detector, Fresnel lens, incl. battery   | A5Q00013959      | 1-21 |
| IR65W6-10  | Wireless ceiling PIR detector, incl. battery   | A5Q00013965      | 1-23 |
| IR80..     | Fresnel PIR detector, 12 m wide angle  | IR80..           | 1-3  |
| IR80B      | Fresnel PIR detector, 12 m wide angle, pet immunity  | A5Q00002067      | 1-3  |

## Type Index

| Type                     | Description  | Order No.        | Page |
|--------------------------|--|------------------|------|
| IRAK3                    | Back tamper contact  | BPZ:4648530001   | 1-36 |
| IRCW6-10                 | Remote control for IC60, white   | A5Q00013945      | 15-2 |
| IRCW6-1010               | Set of colored remote controls for IC60  | S54543-F106-A100 | 15-2 |
| IRCW6-10B                | Remote control for IC60, black   | S54543-F108-A100 | 15-2 |
| IRCW6-11                 | Multifunctional remote control   | S54543-F109-A100 | 1-27 |
| IRFW6-10                 | Wireless receiver module, SiWay  | A5Q00013940      | 16-2 |
| IRFW6-12                 | Wireless receiver module, Si2Way   | S54538-F104-A100 | 16-2 |
| IRM120..                 | PIR/MW motion detector, 12 m wide angle  | IRM120..         | 1-10 |
| IRM120C                  | PIR/MW motion detector, 12 m wide angle  | A5Q00004068      | 1-10 |
| IRM120MD                 | PIR/MW motion detector, 12 m wide angle, VdS approval                                    | A5Q00001997      | 1-10 |
| IRM270..                 | PIR/MW motion detector, 18 m wide angle  | IRM270..         | 1-11 |
| IRM270C                  | PIR/MW motion detector, 18 m wide angle, 10.525 GHz                                      | A5Q00007825      | 1-11 |
| IRM270CFR                | PIR/MW motion detector, 18 m wide angle, 9.9 GHz   | A5Q00007831      | 1-11 |
| IRM270CT                 | PIR/MW motion detector with real-time antimask surveillance, 18 m wide angle, 10.525 GHz | A5Q00007851      | 1-12 |
| IRM270CTFR               | PIR/MW motion detector with real-time antimask surveillance, 18 m wide angle, 9.9 GHz    | A5Q00007891      | 1-12 |
| IRM270CTUK               | PIR/MW motion detector with real-time antimask surveillance, 18 m wide angle, 10.687 GHz | A5Q00007894      | 1-12 |
| IRM270CUK                | PIR/MW motion detector, 18 m wide angle, 10.687 GHz                                      | A5Q00007840      | 1-11 |
| IRM270MD                 | PIR/MW motion detector, 18 m wide angle, 9.35 GHz, VdS approval                          | A5Q00002671      | 1-11 |
| IRM270T                  | PIR/MW motion detector with real-time antimask surveillance, 18 m wide angle, 9.35 GHz   | A5Q00002416      | 1-12 |
| IRM270T..                | PIR/MW motion detector with real-time antimask surveillance, 18 m wide angle             | IRM270T..        | 1-12 |
| IRM80                    | Fresnel PIR/MW motion detector, 12 m wide angle  | BPZ:5716780001   | 1-10 |
| IRMC104                  | Pet clip   | BPZ:5623150001   | 1-36 |
| IRMF20                   | Masking foil   | BPZ:5209200001   | 1-36 |
| IRO480T SW accessory set | SW accessory set   | A5Q00004266      | 1-15 |
| IRO6-04                  | Relay output module 4 x 12V / 1A   | A5Q00013944      | 16-3 |
| IRO840T                  | Dual motion detector with real-time antimask surveillance, 15 m wide angle, VdS approval | A5Q00003034      | 1-15 |
| IRS112                   | Curtain mirror set for IR100, 20 m (4 pcs)   | BPZ:5622920001   | 1-35 |
| IRS122                   | Curtain mirror set   | BPZ:5623020001   | 1-35 |
| IRS162                   | Curtain mirror set for IR200, 25 m curtain   | BPZ:4893750001   | 1-35 |
| IRS164                   | Pet alley mirror set for IR200, 10 m wide angle  | BPZ:5032060001   | 1-36 |
| IRS272                   | Curtain mirror set   | BPZ:5717330001   | 1-35 |
| IRUM1                    | General-purpose mounting bracket for IR200   | BPZ:4573100001   | 1-34 |
| IRUM2                    | Wall mount bracket   | BPZ:5198760001   | 1-34 |
| IRUM20                   | Wall mount bracket   | BPZ:5622470001   | 1-34 |
| IRUM3                    | Ceiling mount bracket  | BPZ:5198890001   | 1-34 |
| IRUM30                   | Ceiling mount bracket  | BPZ:5622500001   | 1-34 |
| IS380                    | External PIR detector volumetric, 24 x 21 m  | S54533-F101-A100 | 3-4  |
| IS380..                  | External PIR detector  | IS380..          | 3-4  |
| IS380H                   | External PIR detector volumetric, 30 x 27 m, high performance                            | S54533-F102-A100 | 3-4  |
| IS382                    | External PIR detector volumetric, 40 x 10 m  | S54533-F103-A100 | 3-5  |
| IS384                    | External PIR detector volumetric, 50 x 30 m  | S54533-F104-A100 | 3-5  |
| IS390                    | External PIR detector volumetric, 21 x 24 m  | BPZ:5398270001   | 3-6  |
| IS390..                  | External PIR detector  | IS390..          | 3-6  |
| IS390H                   | External PIR detector volumetric, 27 x 30 m, high performance                            | A5Q00005094      | 3-6  |
| IS392                    | External PIR detector, curtain 50 x 3.3 m  | BPZ:5398300001   | 3-7  |
| IS392..                  | External PIR detector  | IS392..          | 3-7  |
| IS392D                   | External PIR detector, directional curtain, 50 x 3.6 m                                   | S54533-F105-A100 | 3-7  |

## Type Index

| Type       | Description   | Order No.        | Page |
|------------|---|------------------|------|
| IS392DH    | External PIR detector, directional curtain, 60 x 4.2 m, high performance            | S54533-F106-A100 | 3-8  |
| IS392H     | External PIR detector, curtain, 60 x 3.9 m, high performance                        | A5Q00005095      | 3-7  |
| IS404      | External PIR detector long range curtain, 120 x 2.7 m                               | A5Q00005097      | 3-8  |
| IS404..    | External PIR detector   | IS404..          | 3-8  |
| IS404H     | External PIR detector long range curtain, 150 x 3.3 m, high performance             | A5Q00005096      | 3-8  |
| IS405H     | External PIR detector long range curtain, 150 x 3.3 m, 3 zones high performance     | S54533-F107-A100 | 3-9  |
| IS433      | Intelligent twin active infrared beams, outdoor 20 m                                | BPZ:5299760001   | 3-10 |
| IS434      | Intelligent twin active infrared beams, outdoor 40 m                                | BPZ:5299630001   | 3-10 |
| IS435      | Intelligent twin active infrared beams, outdoor 60 m                                | BPZ:5299050001   | 3-10 |
| IS43x..    | Intelligent twin active infrared beams  | IS433..          | 3-10 |
| IS443      | Intelligent quad active infrared beams, 50 m  | BPZ:5299920001   | 3-11 |
| IS444      | Intelligent quad active infrared outdoor beams, 100 m                               | BPZ:5299890001   | 3-11 |
| IS445      | Intelligent quad active infrared outdoor beams, 200 m                               | BPZ:5299500001   | 3-11 |
| IS44x..    | Intelligent quad active infrared beams  | IS443..          | 3-11 |
| ISIF485B   | ISIF485B Installation module and software   | A5Q00026219      | 3-14 |
| ISMD41-3   | Pole mounting bracket for IS380.., IS382, IS384, IS390.., IS392.., IS404..          | A5Q00026220      | 3-14 |
| ISMD42     | Mount hardware for IS405H   | S54533-B101-A100 | 3-14 |
| ISRW6-12.. | Wireless outdoor siren (compatible with IC60 and SI series)                         | ISRW6-12..       | 1-29 |
| ISRW6-12B  | Wireless outdoor siren in blue  | S54538-F103-A100 | 1-30 |
| ISRW6-12R  | Wireless outdoor siren  | S54538-F103-A200 | 1-29 |
| ISRW6-12T  | Wireless outdoor siren in orange  | S54538-F103-A300 | 1-29 |
| ISTC41     | Installation telescope for IS380.., IS382, IS384, IS390.., IS392.., IS404.., IS405H | BPZ:4455260001   | 3-14 |
| ISWT41     | Cordless walk tester for IS380.., IS382, IS384, IS390.., IS392.., IS404.., IS405H   | A5Q00026218      | 3-14 |
| IVB-6B     | Black buttons x5 for IC60 horizontal compact panel                                  | S54559-B104-A100 | 16-7 |
| IVB-6M     | Milky buttons x5 for IC60 horizontal compact panel                                  | S54559-B104-A200 | 16-7 |
| IVB-6W     | White buttons x5 for IC60 horizontal compact panel                                  | S54559-B104-A300 | 16-7 |
| IVB..      | IVB... spare buttons for IC60 horizontal mounted                                    | IVB..            | 16-6 |
| IVK-6      | Vertical mounting kit   | A5Q00020294      | 16-4 |
| IVK-6-08   | Vertical mounting set, 8 colored Lexan  | S54559-B105-A100 | 16-4 |
| IWF6-10    | Wireless flood detector, incl. battery  | A5Q00020287      | 1-27 |
| IZE6-04    | Four wired zone expander module   | A5Q00020291      | 16-3 |
| OP312R     | 12 V optical smoke detector   | A5Q00001969      | 5-7  |
| OP412      | Optical smoke detector  | S54539-F101-A100 | 5-7  |
| SAG91      | E-Bus concentrator  | BPZ:8009740001   | 9-5  |
| SAH24      | Housing for transponder and gateway PCB's   | BPZ:8004370001   | 9-14 |
| SAK21      | LED keypad  | A6E80117410      | 7-1  |
| SAK41      | LCD keypad with flap  | BPZ:8006590001   | 7-1  |
| SAK51      | LCD keypad  | BPZ:8006630001   | 7-1  |
| SAK52      | LCD keypad with audio function  | BPZ:8006930001   | 7-2  |
| SAK53      | LCD keypad with flap and large display  | BPZ:8006940001   | 7-2  |
| SAK84      | SiPlus LCD keypad with card reader and audio  | S24243-F3266-A4  | 7-2  |
| SAK94      | SiPlus multi partition keypad with card reader and audio                            | S24243-F3263-A4  | 7-3  |
| SAK9L1     | SiPlus univ. annunciation module with key   | S24243-F3264-A1  | 7-4  |
| SAK9S1     | SiPlus univ. key switch module  | S24243-F3265-A1  | 7-3  |
| SAP14      | Power supply in housing 12 VDC / 1.3 A  | BPZ:8003160001   | 9-8  |
| SAP20      | Power supply in housing 12 VDC / 2.3 A  | BPZ:8006880001   | 9-9  |
| SAP25      | Power supply in housing 12 VDC / 2.3 A  | BPZ:8002930001   | 9-9  |
| SAQ11      | PC/Printer cable  | BPZ:8001960001   | 9-12 |

## Type Index

| Type       | Description                                    | Order No.      | Page |
|------------|--|----------------|------|
| SAQ18      | X25 cable                                      | BPZ:8006410001 | 9-12 |
| SAR11      | Isolator/repeater E-Bus in housing             | BPZ:8000990001 | 9-6  |
| SAT12      | Transponder in housing                         | BPZ:8006150001 | 9-7  |
| SI120..    | Sintony® control panel 6-22 zones              | SI120..        | 6-5  |
| SI120CH    | Sintony® control panel 6-22 zones Swiss German | BPZ:8009800001 | 6-5  |
| SI120FR    | Sintony® control panel 6-22 zones French       | BPZ:8007150001 | 6-6  |
| SI120FR-NF | Sintony® control panel 6-22 zones French NF    | BPZ:8007590001 | 6-6  |
| SI120IT    | Sintony® control panel 6-22 zones Italian      | BPZ:8007160001 | 6-6  |
| SI120UK    | Sintony® control panel 6-22 zones English      | A6E80115610    | 6-6  |
| SI121ES    | Sintony® control panel 6-22 zones Spanish      | BPZ:8007130001 | 6-6  |
| SI220..    | Sintony® control panel 8-48 zones              | SI220..        | 6-7  |
| SI220CH    | Sintony® control panel 8-48 zones Switzerland  | BPZ:8007510001 | 6-7  |
| SI220FR    | Sintony® control panel 8-48 zones French       | BPZ:8007250001 | 6-8  |
| SI220FR-NF | Sintony® control panel 8-48 zones French NF    | BPZ:8005810001 | 6-8  |
| SI220IT    | Sintony® control panel 8-48 zones Italian      | BPZ:8007260001 | 6-8  |
| SI220UK    | Sintony® control panel 8-48 zones English      | A6E80115710    | 6-8  |
| SI221ES    | Sintony® control panel 8-48 zones Spanish      | BPZ:8007240001 | 6-8  |
| SI410..    | Sintony® control panel 16-464 zones            | SI410..        | 6-9  |
| SI410BFL   | Sintony® control panel 16-464 zones Flemish    | BPZ:8002560001 | 6-10 |
| SI410CZ    | Sintony® control panel 16-464 zones Czech      | BPZ:8004740001 | 6-10 |
| SI410FR    | Sintony® control unit 16-464 zones French      | BPZ:8001800001 | 6-10 |
| SI410FR-NF | Sintony® control panel 16-464 zones French NF  | BPZ:8008400001 | 6-10 |
| SI410HU    | Sintony® control panel 16-464 zones Hungarian  | BPZ:8010020001 | 6-10 |
| SI410IT    | Sintony® control panel 16-464 zones Italian    | BPZ:8004320001 | 6-10 |
| SI410PL    | Sintony® control panel 16-464 zones Polish     | BPZ:8002660001 | 6-10 |
| SI410UK    | Sintony® control panel 16-464 zones English    | BPZ:8008080001 | 6-11 |
| SI411ES    | Sintony® control unit 16-464 zones, Spanish    | BPZ:8008660001 | 6-11 |
| SI420..    | Sintony® control panel 16-464 zones            | SI420..        | 6-12 |
| SI420CH    | Sintony® control unit 24-464 zones, Swiss      | BPZ:8006790001 | 6-13 |
| SI420DE    | Sintony® control unit 24-464 zones, German     | BPZ:8009470001 | 6-13 |
| SLI120CHD  | Panel software kit for Swiss German            | BPZ:8007490001 | 6-6  |
| SLI120CHF  | Panel software kit for Swiss French            | BPZ:8007500001 | 6-6  |
| SLI120CHI  | Panel software kit for Swiss Italian           | BPZ:8007480001 | 6-6  |
| SLI220CHD  | Panel software kit for Swiss German            | BPZ:8007530001 | 6-8  |
| SLI220CHF  | Panel software kit for Swiss French            | BPZ:8007540001 | 6-8  |
| SLI220CHI  | Panel software kit for Swiss Italian           | BPZ:8007520001 | 6-8  |
| SLK41DE    | Language kit for SAK41 German                  | BPZ:8002610001 | 7-5  |
| SLK51/52DE | Language kit for SAK51/52 German               | A6E80113620    | 7-5  |
| SLK51/52F  | Language kit for SAK51/52 French               | A6E80112420    | 7-5  |
| SLK53DE    | Language kit for SAK53 German                  | BPZ:8011140001 | 7-5  |
| SLK53FR    | Language kit for SAK53 French                  | BPZ:8011150001 | 7-5  |
| SM110      | Main board for SI110 without EPROM             | BPZ:8006960001 | 9-13 |
| SM110D     | PCB for SI110 with EPROM Germany               | BPZ:8000470001 | 9-13 |
| SM120      | Main board for SI120 without EPROM             | BPZ:8008340001 | 9-13 |
| SM210      | Main board for SI210 without EPROM             | BPZ:8007030001 | 9-13 |
| SM210D     | PCB for SI210 with EPROM Germany               | BPZ:8000290001 | 9-13 |
| SM220      | Main board for SI220 without EPROM             | BPZ:8008430001 | 9-13 |
| SM320DE    | PCB for SI320D with EPROM Germany              | A6E80118620    | 9-13 |
| SM410      | Main board for SI410 without software          | BPZ:8007040001 | 9-13 |
| SM410D     | PCB for SI410 with software for Germany        | BPZ:8005290001 | 9-13 |
| SM410F     | Main board for SI410 with software for France  | BPZ:8005140001 | 9-13 |
| SMG71      | Card reader E-Bus interface                    | BPZ:8006600001 | 9-5  |
| SML21      | PSTN line supervision module                   | BPZ:8000530001 | 9-11 |

## Type Index

| Type           | Description  | Order No.        | Page  |
|----------------|--|------------------|-------|
| SML51TBR       | Analog PSTN dialing device                                   | BPZ:8003480001   | 9-1   |
| SML61          | ISDN dialing devices   | BPZ:8003970001   | 9-1   |
| SMN36          | IP-Interface module  | A6E80117810      | 9-1   |
| SMN42          | SiPlus IP-Interface board                                    | S24243-A3203-A1  | 9-2   |
| SMN43          | SiPlus IP/GSM GPRS-Interface board                           | S24243-A3203-A2  | 9-3   |
| SMP08          | Power supply board 12 VDC / 0.7 A                            | BPZ:8003610001   | 9-13  |
| SMP14          | Power supply board 12 VDC / 1.3 A                            | BPZ:8002640001   | 9-14  |
| SMP20          | Power supply board 12 VDC / 2.3 A                            | BPZ:8006750001   | 9-14  |
| SMP25          | Power supply board 12 VDC / 2.3 A                            | BPZ:8002800001   | 9-14  |
| SMR11          | Isolator/repeater E-Bus board                                | BPZ:8001090001   | 9-7   |
| SMR13VDS       | Isolator/repeater E-Bus board, VdS                           | BPZ:8003900001   | 9-7   |
| SMT12          | Transponder board only                                       | BPZ:8006160001   | 9-7   |
| SMT44          | Output transponder board only                                | BPZ:8006730001   | 9-8   |
| SMU21          | Transformer 20 V / 0.8 A                                     | BPZ:8003740001   | 9-15  |
| SMU22          | Transformer 19 V / 1.5 A                                     | BPZ:8010240001   | 9-15  |
| SMU31          | Transformer 20 V / 2.5 A                                     | BPZ:8003870001   | 9-15  |
| SMV11          | Voice module   | BPZ:8000440001   | 9-11  |
| SMX13          | Relay module   | BPZ:8009180001   | 9-11  |
| SMX23          | Battery supervision module for SI120/SI220                   | BPZ:8003400001   | 9-11  |
| SMX26          | Low battery cut-off module                                   | BPZ:8000330001   | 9-12  |
| SMY11          | Spacer   | BPZ:8003450001   | 9-15  |
| SPACER/2 mm    | 2 mm spacer plate for GMXP3/ GMXP3Z                          | BPZ:3506110001   | 4-10  |
| SPACER/4 mm    | 4 mm spacer plate for GMXP3/GMXP3Z                           | BPZ:3506240001   | 4-10  |
| SPC4100.000    | Main board for SPC4120.00 (without software)                 | S54558-A101-A100 | 12-7  |
| SPC4120.200-L1 | SPC control panel 8-32 zones, G2                             | S54541-C101-A100 | 10-6  |
| SPC4120.300-L1 | SPC control panel 8-32 zones, G2                             | S54541-C101-B100 | 10-7  |
| SPC52..        | SPC control panel 8-128 zones                                | SPC52..          | 10-8  |
| SPC5200.000    | Main board for SPC5220.000 and SPC5230.00 (without software) | S54558-A102-A100 | 12-7  |
| SPC5220.200-L1 | SPC control panel 8-128 zones, G2                            | S54541-C102-A100 | 10-9  |
| SPC5230.300-L1 | SPC control panel 8-128 zones, G3                            | S54541-C103-A100 | 10-9  |
| SPC63..        | SPC control panel 8 - 512 zones                              | SPC63..          | 10-10 |
| SPC6300.000    | Main board for SPC6320.000 and SPC6330.00 (without software) | S54558-A103-A100 | 12-7  |
| SPC6320.200-L1 | SPC control panel 8-512 zones, G2                            | S54541-C104-A100 | 10-11 |
| SPC6330.300-L1 | SPC control panel 8-512 zones, G3                            | S54541-C105-A100 | 10-11 |
| SPCA210.100    | 2-Door expander  | S54547-A101-A100 | 12-4  |
| SPCE450.100    | Expander with 8 relay outputs                                | S54542-F103-A100 | 12-3  |
| SPCE650.100    | Expander with 8 inputs and 2 output                          | S54542-F101-A100 | 12-3  |
| SPCK420.100    | LCD keypad with 2x16 characters                              | S54543-F101-A100 | 11-1  |
| SPCK421.100    | LCD keypad with 2x16 characters and card reader              | S54543-F102-A100 | 11-1  |
| SPCK422.100    | LCD keypad with 2x16 characters and SiWay module             | S54543-F103-A100 | 11-2  |
| SPCN110.000    | Analog PSTN module   | S54550-B101-A100 | 12-1  |
| SPCN310.000    | GSM module incl. antenna                                     | S54550-B102-A100 | 12-1  |
| SPCP330.000    | Main board for SPCP332 and SPCP333                           | S54558-A104-A100 | 12-7  |
| SPCP332.300    | Power supply (7Ah) with I/O expander                         | S54545-C102-A100 | 12-4  |
| SPCP333.300    | Power supply (17 Ah) with I/O expander                       | S54545-C101-A100 | 12-5  |
| SPCW101.000    | External aerial kit  | S54559-B101-A100 | 12-2  |
| SPCW110.000    | SiWay RF kit for panel                                       | S54554-B101-A100 | 12-2  |
| SPCW130.100    | SiWay RF expander  | S54554-F101-A100 | 12-2  |
| SPCX410.000    | Fast Programmer  | S54559-B102-A100 | 12-6  |

## Type Index

| Type      | Description  | Order No.      | Page |
|-----------|--|----------------|------|
| TKU..     | Surveillance contact   | TKU..          | 5-3  |
| TKU2      | Surveillance contact   | BPZ:2305080001 | 5-3  |
| TKU3      | Surveillance contact with special locking mechanism                                      | BPZ:2307860001 | 5-3  |
| TKU4      | Surveillance contact equipped with a special threaded plate                              | BPZ:2307990001 | 5-3  |
| TKU5      | Surveillance contact with protective spring  | BPZ:2442770001 | 5-4  |
| UP370..   | PIR/US detector, 10 m wide angle   | UP370..        | 1-13 |
| UP370C    | PIR/US detector, 10 m wide angle   | BPZ:5198180001 | 1-13 |
| UP370MD   | PIR/US detector, 10 m wide angle, VdS approval   | BPZ:5198210001 | 1-13 |
| UP370T    | PIR/US detector with real-time antimask surveillance, 10 m wide angle, VdS approval      | BPZ:5199990001 | 1-14 |
| UP370T..  | PIR/US detector with real-time antimask surveillance                                     | UP370T..       | 1-14 |
| UP370TLSN | PIR/US detector with real-time antimask surveillance, 10 m wide angle, VdS approval, LSN | BPZ:5397880001 | 1-14 |
| WAC11     | Two-way audio unit loudspeaker and microphone  | BPZ:8000110001 | 8-1  |
| WAC12     | Addressable two-way audio unit loudspeaker and microphone                                | BPZ:8007720001 | 8-1  |
| WAS11     | Microphone unit  | BPZ:8005230001 | 8-1  |
| WAT21     | Video camera interface   | BPZ:8002150001 | 8-2  |
| WAV61     | Monitor interface WAV61  | BPZ:8003430001 | 8-2  |
| WMA11     | Plug-on audio module   | BPZ:8000310001 | 8-3  |
| WMV12     | Plug-on video module   | BPZ:8000040010 | 8-3  |

# Intrusion Detection Portfolio Overview

## Detection & monitoring

### Perimeter & periphery surveillance

- IGBW6-10** Glass break detector
- IMKW6-10** Door / window contact
- ISxxx** External PIR detectors
- IS43x** Active IR beams

### Room surveillance

- ADM-112W1** Motion detector (Fresnel lens)
- IR160W6-10** Motion detector (black mirror)
- IR65W6-10** Motion detector (360°)
- IWFW6-10** Flood detector
- IOPW6-11** Smoke detector
- Grades 2/3** E-Line detectors Single and dual technology
- Grade 2** IRxxx/UP370 Single and dual technology
- Grade 3** IR270T/UP370T Single and dual technology
- Grade 4** IRO840T PIR/Optical motion detector
- OP412** Optical smoke detector

### Object surveillance

- GM7xx** Seismic detectors

### Alarming & signalling devices

- ISRW6-12** Outdoor siren
- Silent alarms**

Wireless detectors and peripherals  
Wired detectors and peripherals

This overview is only a partial representation of the intrusion products and systems portfolio. Please refer to the catalogue for a complete overview.

## Control & operation

### Intrunet SPC series

- SPC4XXX/SPC5XXX/SPC6XXX control units**
- SPCK42x** Wired LCD keypads with/without integrated card reader or wireless receiver
- IRCW6-11** Remote control
- 8 to 512 wired or 120 wireless zones
- 8 on-board wired inputs
- Up to 512 programmable outputs
- PSTN, GSM and IP (SPC6000) communication
- On-board Web server (SPC5000/6000)

### System units

- SPCExxx/SPCPxxx** System expanders
- SPCW130** SiWay X-BUS expander
- SPCW110** SiWay wireless kit
- SPCN110** PSTN module
- SPCN310** GSM module

### Programming/maintenance

- Local programming via keypad
- Local or remote programming via PC (SPC Pro software)
- Configuration transfer/back-up with Fast Programmer
- Local or remote programming via Web server

### Door control

- SPCA210** 2-door expander (SPC5000/6000)
- Door control configuration with SPC Pro software

### Intrunet SI series

- SI1xx/SI2xx/SI3xx/SI4xx control units**
- SAK84/SAK94** LCD keypads. Add on key switch/annunciation modules
- SAK51/52/53** LCD keypads with 2-line display. With/without audio
- IRCW6-11** Remote control
- 6 to 464 inputs
- 5 to 154 outputs
- 3 to 16 partitions with independent settings
- Up to 32 verification zones
- Up to 32 keypads
- Up to 20 "2-year" calendars
- Up to 497 definable users

### System units

- SAT12** Addressable expander
- IEGW6-12** SiWay/Si2Way wireless E-Bus gateway
- SMN42/SMN43** IP and IP/GSM modules
- SML51** PSTN module

### Programming/maintenance

- Local programming via keypad
- Local or remote programming via PC (Sylcom software)
- Macro tool for customised functionality
- Parameter up- & download via Web browser (IP/GSM modules)

### Door control

- SiPass** card reader (arm/disarm)
- SMG71** Addressable card reader gateway (SI4xx panels)

### IC60 series

- IC60 panels**
- IKP6-03** Wired LCD keypad
- IKPW6-10** Wireless LED keypad
- IRCW6-11** Remote control
- Compact or modular versions
- Security, safety and comfort functionality in one system
- 8 to 16 wired/wireless zones
- Local or remote operation over telephone/mobile phone

### System units

- IZE6-04** 4-wired zone expander module
- IRO6-04** 4 relay output module
- IRFW6-10/IRFW6-12** SiWay/Si2Way wireless protocol interface modules
- IGS6-10** External GSM module, quad band with TCP/IP

### Programming/maintenance

- Direct local programming via keypad
- Local programming via USB interface and laptop
- Programming using memory stick (up/download settings)
- Remote programming via modem and PC

### Door control

- IAR6-30** 125 KHz card reader
- Up to 7 readers/system (modular)
- Up to 100 users
- Arm/disarm system

## Alarm transmission

### Communication methods

- IP (SPC6000)**
- GSM**
  - Primary source of communication or
  - Back-up to IP/PSTN communication
  - Alarm transmission
  - Remote configuration or maintenance
- PSTN (analogue telephone networks)**
  - Primary sources of communication
  - Back-up to IP/GSM communication
  - Alarm transmission
  - Remote configuration or maintenance

### Communication methods

- IP and GSM (GPRS)**
  - SMS alerts
  - Event transmission
  - Remote maintenance over IP (GPRS back-up)
- PSTN (analogue telephone networks)**
  - Alarm transmission
  - Audio/video alarm verification
  - Configuration or maintenance
- ISDN**
  - Alarm transmission
  - Audio/video alarm verification
  - Configuration or maintenance

### Communication methods

- PSTN**
- GSM/GPRS**
  - SMS alerts
  - Back-up in case of telephone line failure
  - Transmission of information over GPRS

## Alarm verification

### Video verification

- Use in combination with SISTORE recording systems from Siemens for alarm triggered recording and automatic camera zoom-in

### Audio & video verification

- WAC12** Addressable 2-way device with speaker/microphone. Audio verification over PSTN/ISDN
- WAT21** Addressable audio/video interface

### Audio verification

- IAV6-90** 2-way audio verification module

## Remote services

### Alarm management

- Connection to Central Monitoring Station (CMS) via SPC Com over IP
- Monitor and control a large panel park with status icons for each connected SPC panel (SPC6000)

### Remote programming and maintenance

- Store and retrieve controller data via SPC Pro, SPC Fast Programmer or Web server
- Off-site pre-configuration
- On-site or remote firmware upgrades
- Full access to security and maintenance functions via the on-board Web server or a PC with SPC Pro

### Alarm management

- Alarm notification and verification (audio/video) over PSTN and ISDN
- Alarm notification via SMS event messages
- Voice announcements to designated individuals (incl. audio verification)
- Redundant connection via IP and GSM (GPRS)

### Remote programming and maintenance

- Configuration and maintenance over PSTN, ISDN and IP
- Off-site pre-configuration
- Parameter and service events server
- Full access to security and maintenance functions via a PC with Sylcom

### Alarm management

Connection to a CMS for centralised and remote alarm management:

- Alarm verification
- Alarm notification to customers
- Performance tests
- Notification to intervention services

### Remote programming and maintenance

- Local or remote software programming

### Large sized applications

- Airports
- Shopping centres
- Casinos
- Industrial premises

### Medium sized applications

- Banks
- Data centres
- Government buildings
- Hospitals

### Small sized applications

- Small retail
- Petrol stations
- Large residential
- Commercial buildings

### Entry level applications

- Private homes
- Apartment buildings
- Small businesses
- Healthcare practices



Am I safe walking home?

Is this building secure?

With intelligent security products and systems, we protect people and assets everywhere.

As a basic human need, safety and security for people are a priority throughout all aspects of daily life, whether at home, travelling, or at work. For businesses this extends to securing assets and preventing business disruption. We help our customers achieve their desired level of security, from transportation networks to energy supplies, buildings and property in general, by providing them with intelligent products and systems – protecting people, processes and assets no matter where they are. [www.siemens.com/buildingtechnologies](http://www.siemens.com/buildingtechnologies)

Answers for infrastructure.

**SIEMENS**



# Answers for infrastructure.

## ■ Megatrends driving the future

The megatrends – demographic change, urbanization, climate change and globalization – are shaping the world today. These have an unprecedented impact on our lives and on vital sectors of our economy.

## ■ Innovative technologies to answer the associated toughest questions

Throughout a 160-year history of proven research and engineering talent, with more than 50,000 active patents, Siemens has continuously provided its customers with innovations in the areas of healthcare, energy, industry and infrastructure – globally and locally.

## ■ Increase productivity and efficiency through complete building life cycle management

Building Technologies offers intelligent integrated solutions for industry, commercial and residential buildings and public infrastructure. Over the entire facility's life cycle, our comprehensive and environmentally conscious portfolio of products, systems, solutions and services in the fields of electrical installation technology, building automation, fire safety and electronic security, ensures the:

- optimum comfort and highest energy efficiency in buildings,
- safety and security for people, processes and assets,
- increased business productivity.



Siemens Switzerland Ltd  
Industry Sector  
Building Technologies Division  
International Headquarters  
Gubelstrasse 22  
6301 Zug  
Switzerland  
Tel +41 41 724 24 24

Siemens Pte Ltd  
Industry Sector  
Building Technologies Division  
The Siemens Center  
60 MacPherson Road  
348615  
Singapore  
Tel +65 6490 6000

Siemens Ltd  
Industry Sector  
Building Technologies Division  
Units 1006-10  
10/F, China Resources Building  
26 Harbour Road  
Wanchai  
Hong Kong  
Tel +852 2870 7888

Siemens PLC  
Industry Sector  
Building Technologies Division  
Brecon House  
Llantarnam Park  
Cwmbran  
NP44 3AB  
United Kingdom  
Tel +44 871 386 0800

The information in this document contains general descriptions of technical options available, which do not always have to be present in individual cases. The required features should therefore be specified in each individual case at the time of closing the contract.

© Siemens Switzerland Ltd • Order no. XXXXXXXXXX • XXXXXXX Ah