



# Intrusion

## Products & accessories catalogue 2006



# Siemens: one brand, one partner - one system

## - for all your security & fire safety requirements

- Access Control
- CCTV
- Fire Safety
- Intruder Detection

### Every day small sized applications - Small convenience store or petrol station shop



#### ○ Intruder products for this example:

IRM120C PIR & Microwave Detector



IR261 360° Ceiling Mount Detector



AGB600 Glass Break Detector



Door Contacts MK240



### Medium sized applications - Large supermarket with warehouse



#### ○ Intruder products for this example:

IRM270T PIR & Microwave with Anti-Mask



AGB600 Glass Break Detector



IS443/4 Active Infrared Beams



IR261 360° Ceiling Mount Detector



### High risk applications - Commercial bank



#### ○ Intruder products for this example:

IRO840T Optical & PIR with Range Reduction and Anti-Mask



UP370T Ultrasonic & PIR Detector with Anti-Mask



GM700 Series Seismic Detectors for ATMs

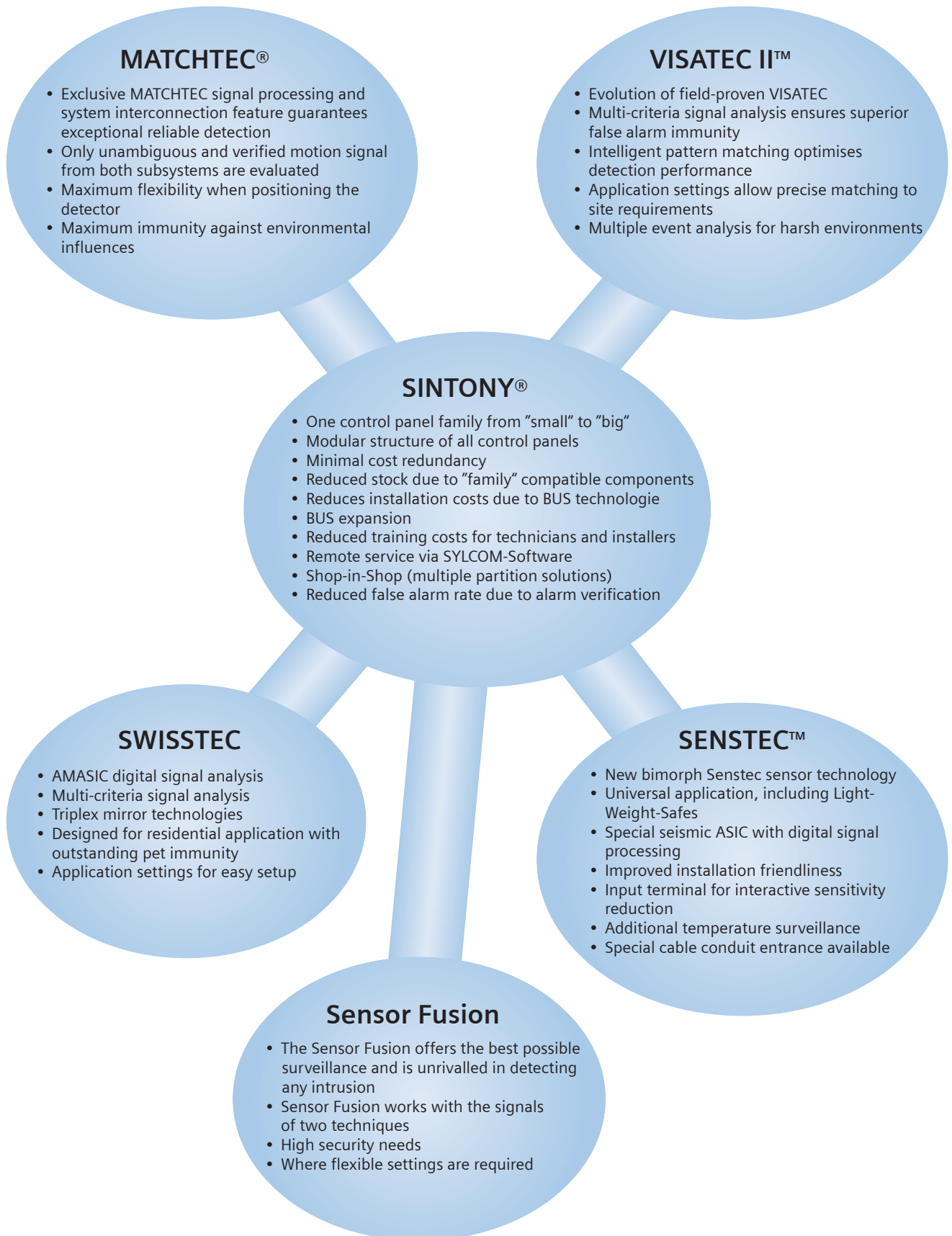


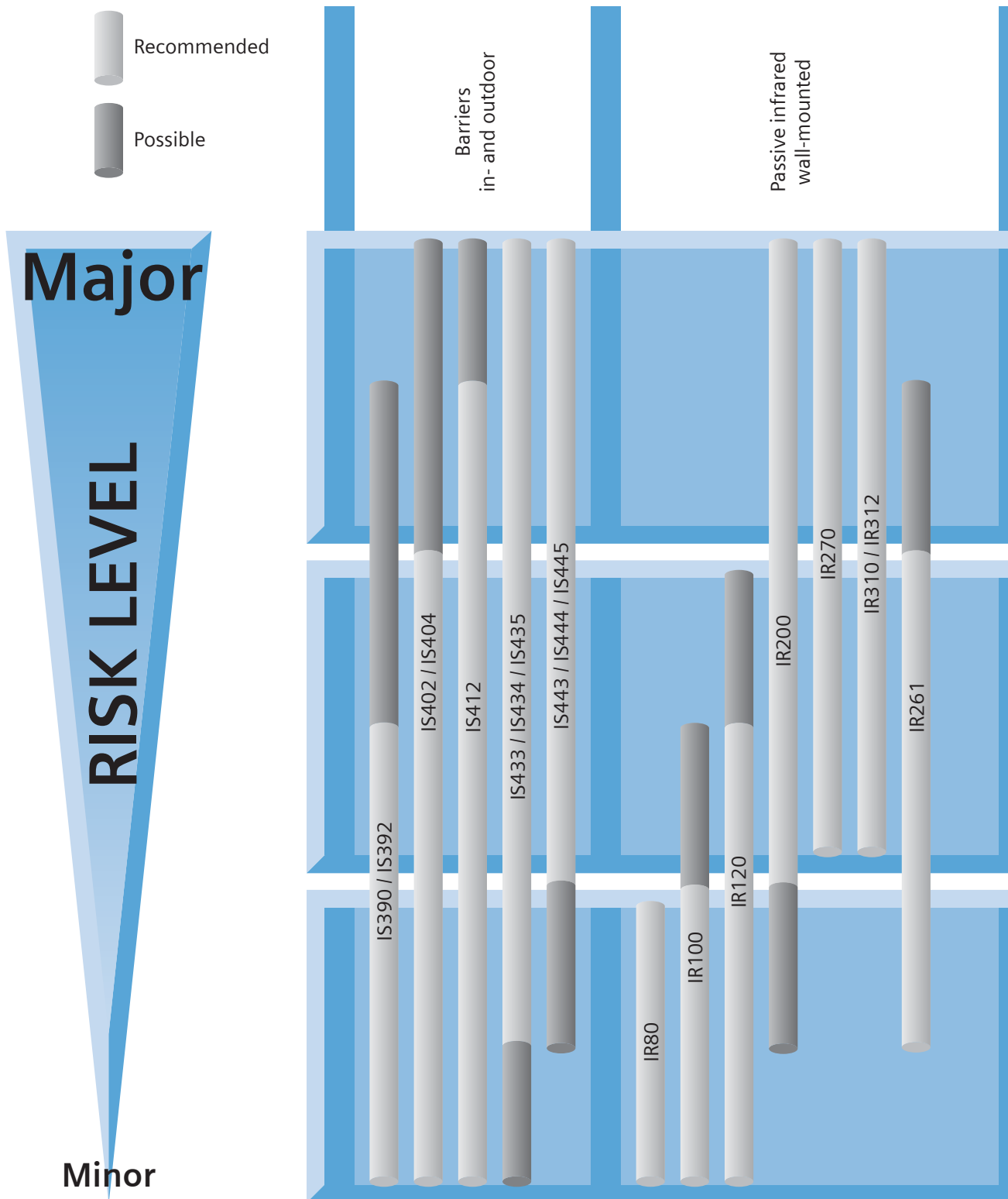
FK32 Foot Rail Panic Alarm Activation



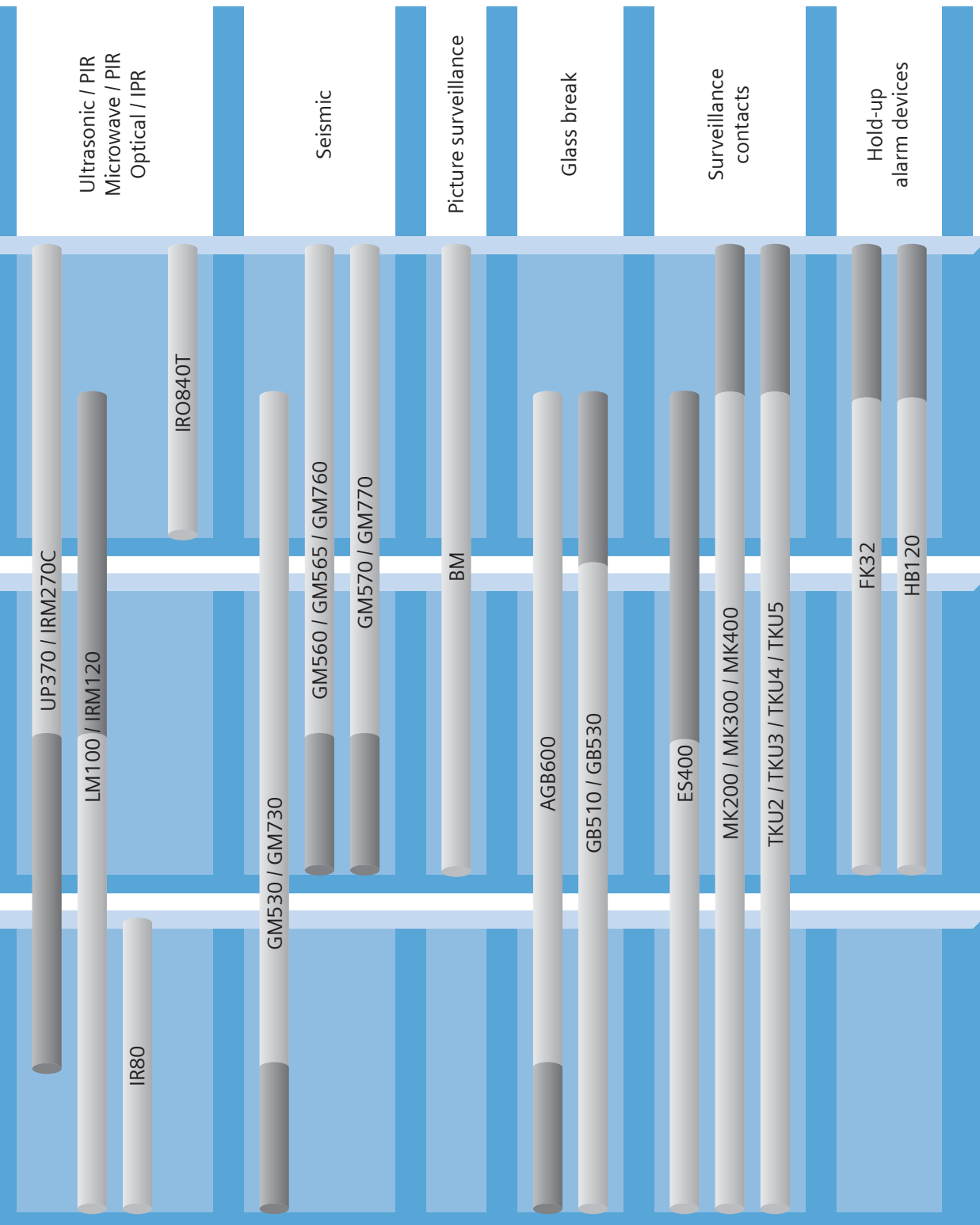
<b>Intrusion Detectors .....</b>	<b>I-1</b>
<b>Overview .....</b>	<b>I-1</b>
Detection-Technologies .....	I-1
Security Risk Level Overview .....	I-2
<b>Internal Motion Detectors.....</b>	<b>1-1</b>
Product Overview .....	1-1
PIR Internal Motion Detectors .....	1-2
PIR Motion Detectors With Anti-Mask .....	1-10
Dual Internal Motion Detectors .....	1-13
Dual Internal Motion Detectors With Anti-Mask .....	1-17
PIR Ceiling Mount Motion Detectors.....	1-19
PIR / Ultrasound Motion Detectors.....	1-20
PIR / Ultrasound Motion Detectors With Anti-Mask .....	1-22
PIR / Optical Motion Detectors.....	1-24
<b>External Motion Detectors .....</b>	<b>2-1</b>
Product Overview .....	2-1
PIR External Motion Detectors.....	2-1
Active IR Barriers.....	2-4
<b>Seismic Detectors .....</b>	<b>3-1</b>
Product Overview .....	3-1
Seismic Detectors .....	3-2
<b>Glass Break Detectors .....</b>	<b>4-1</b>
Acoustic Glass Break Detectors .....	4-1
<b>Other Surveillance Systems .....</b>	<b>5-1</b>
Mechanic Contacts .....	5-1
Picture Surveillance Systems .....	5-3
Foot Rails .....	5-6
Hold-up Alarm Devices .....	5-7
12 Volt Smoke Detectors .....	5-8
<b>Intrusion Panels .....</b>	<b>II-1</b>
<b>Overview .....</b>	<b>II-1</b>
Product Overview .....	II-1
<b>Low Segment Panels .....</b>	<b>6-1</b>
SI80 / SI100 .....	6-1
<b>High Segment Panels .....</b>	<b>7-1</b>
SI200 / SI400 .....	7-1
<b>Wireless Systems.....</b>	<b>8-1</b>
S-Box .....	8-1
SiRoute .....	8-4
<b>Keypads.....</b>	<b>9-1</b>
LCD / LED Keypads .....	9-1
Keypad Language Kits .....	9-3
<b>Alarm Verification Devices.....</b>	<b>10-1</b>
Audio Alarm Verification .....	10-1
<b>Panel Accessories .....</b>	<b>11-1</b>
Communication Modules.....	11-1
E-Bus Components .....	11-2
Optional Modules.....	11-3
Control Panel Spare Parts.....	11-8
<b>Batteries .....</b>	<b>12-1</b>
<b>Type Index .....</b>	<b>III-1</b>







Intrusion Detectors  
 Overviews  
 Security Risk Level Overview


















# Intrusion Detectors

## Internal Motion Detectors

### Product Overview



	Application	Lens and coverage	Pet immunity	Antimask
<b>PIR motion detectors</b>				
IR80 	<ul style="list-style-type: none"> <li>Residential</li> </ul>	<ul style="list-style-type: none"> <li>Fresnel lens</li> <li>12 m volume</li> <li>20 m curtain</li> </ul>	<ul style="list-style-type: none"> <li>Up to 12 kg</li> </ul>	<ul style="list-style-type: none"> <li>No</li> </ul>
IR100 	<ul style="list-style-type: none"> <li>Residential</li> <li>Commercial</li> </ul>	<ul style="list-style-type: none"> <li>Triplex mirror</li> <li>12 m volume</li> <li>20 m curtain</li> </ul>	<ul style="list-style-type: none"> <li>Up to 20 kg</li> </ul>	<ul style="list-style-type: none"> <li>No</li> </ul>
IR120 	<ul style="list-style-type: none"> <li>Residential</li> <li>Small commercial</li> </ul>	<ul style="list-style-type: none"> <li>Black triplex mirror</li> <li>12 m volume</li> <li>20 m curtain</li> </ul>	<ul style="list-style-type: none"> <li>Up to 40 kg</li> </ul>	<ul style="list-style-type: none"> <li>No</li> </ul>
IR200 	<ul style="list-style-type: none"> <li>Commercial</li> <li>Industrial</li> </ul>	<ul style="list-style-type: none"> <li>Black triplex mirror</li> <li>15 m volume</li> <li>25 m curtain</li> </ul>	<ul style="list-style-type: none"> <li>Up to 12 kg</li> </ul>	<ul style="list-style-type: none"> <li>No</li> </ul>
IR270 	<ul style="list-style-type: none"> <li>Large private houses</li> <li>Commercial</li> <li>Industrial</li> </ul>	<ul style="list-style-type: none"> <li>Black mirror</li> <li>18 m volume</li> <li>30 m curtain</li> </ul>	<ul style="list-style-type: none"> <li>No</li> </ul>	<ul style="list-style-type: none"> <li>Yes</li> </ul>
IR31x 	<ul style="list-style-type: none"> <li>Large public houses</li> <li>Large industrial buildings</li> </ul>	<ul style="list-style-type: none"> <li>Mirror</li> <li>18 m volume</li> <li>50 m curtain</li> </ul>	<ul style="list-style-type: none"> <li>No</li> </ul>	<ul style="list-style-type: none"> <li>No</li> </ul>
<b>PIR ceiling mount motion detectors</b>				
IR261 	<ul style="list-style-type: none"> <li>Open plan offices</li> <li>Shops</li> <li>Corridor crossing</li> <li>Warehouses</li> </ul>	<ul style="list-style-type: none"> <li>Fresnel lens</li> <li>7.6 m radius</li> </ul>	<ul style="list-style-type: none"> <li>No</li> </ul>	<ul style="list-style-type: none"> <li>No</li> </ul>
<b>PIR / microwave motion detectors</b>				
IRM80 	<ul style="list-style-type: none"> <li>Office</li> <li>Commercial</li> <li>Industrial</li> </ul>	<ul style="list-style-type: none"> <li>Fresnel lens / Microwave</li> <li>12 m volume</li> <li>12 m curtain</li> </ul>	<ul style="list-style-type: none"> <li>Up to 12 kg</li> </ul>	<ul style="list-style-type: none"> <li>No</li> </ul>
LM100 	<ul style="list-style-type: none"> <li>Residential</li> </ul>	<ul style="list-style-type: none"> <li>Fresnel lens / Microwave</li> <li>12 m volume</li> <li>12 m curtain</li> </ul>	<ul style="list-style-type: none"> <li>Special pet lens</li> </ul>	<ul style="list-style-type: none"> <li>No</li> </ul>
IRM120 	<ul style="list-style-type: none"> <li>Residential</li> <li>Office</li> <li>Commercial</li> </ul>	<ul style="list-style-type: none"> <li>Black mirror / Microwave</li> <li>12 m volume</li> <li>12 m curtain</li> </ul>	<ul style="list-style-type: none"> <li>Up to 12 kg</li> </ul>	<ul style="list-style-type: none"> <li>No</li> </ul>
IRM270 	<ul style="list-style-type: none"> <li>Commercial</li> <li>Industrial</li> <li>High-security</li> </ul>	<ul style="list-style-type: none"> <li>Black mirror/Microwave</li> <li>18 m volume</li> <li>25 m curtain</li> </ul>	<ul style="list-style-type: none"> <li>No</li> </ul>	<ul style="list-style-type: none"> <li>No</li> </ul>
<b>PIR / ultrasound motion detectors</b>				
UP370 	<ul style="list-style-type: none"> <li>Commercial</li> <li>Industrial</li> <li>High-security</li> </ul>	<ul style="list-style-type: none"> <li>Black mirror / Ultrasound</li> <li>10 m volume</li> </ul>	<ul style="list-style-type: none"> <li>Up to 12 kg</li> </ul>	<ul style="list-style-type: none"> <li>Yes</li> </ul>
<b>PIR / optical detectors</b>				
IRO840T 	<ul style="list-style-type: none"> <li>Commercial</li> <li>Industrial</li> <li>High-security</li> </ul>	<ul style="list-style-type: none"> <li>Black Triplex mirror</li> <li>Image sensor</li> <li>18 m volume</li> <li>25 m curtain</li> </ul>	<ul style="list-style-type: none"> <li>No</li> </ul>	<ul style="list-style-type: none"> <li>Yes</li> </ul>

# Intrusion Detectors


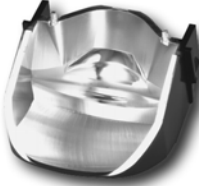


## Internal Motion Detectors

### PIR Internal Motion Detectors

Type	Order No.																		
<p><b>IR80..</b></p>  <p><b>Easytec PIR detector, 12 m wide angle</b></p> <p>A single PIR detector with fresnel lens and pet immunity up to 12 kg. The IR80 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.</p> <table border="0"> <tr> <td>Range</td> <td>12 m wide angle</td> </tr> <tr> <td>Supply voltage</td> <td>9 ~ 16 VDC (typical)</td> </tr> <tr> <td>Current consumption</td> <td>&lt;16 mA</td> </tr> <tr> <td>Walk test indicator</td> <td>LED</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 (IEC529)</td> <td>IP41</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>51 x 87 x 45 mm</td> </tr> <tr> <td>Weight</td> <td>0.070 kg</td> </tr> </table>	Range	12 m wide angle	Supply voltage	9 ~ 16 VDC (typical)	Current consumption	<16 mA	Walk test indicator	LED	Sensitivity adjustment	2 levels	Operating temperature	-20 ~ +55 °C	Housing protection (IEC529)	IP41	Dimensions (W x H x D)	51 x 87 x 45 mm	Weight	0.070 kg	<p><b>IR80..</b></p>
Range	12 m wide angle																		
Supply voltage	9 ~ 16 VDC (typical)																		
Current consumption	<16 mA																		
Walk test indicator	LED																		
Sensitivity adjustment	2 levels																		
Operating temperature	-20 ~ +55 °C																		
Housing protection (IEC529)	IP41																		
Dimensions (W x H x D)	51 x 87 x 45 mm																		
Weight	0.070 kg																		
<p><b>IR80B</b></p> <p><b>Easytec PIR detector, 12 m wide angle</b></p> <p>As IR80.. for technical details.</p> <table border="0"> <tr> <td>Data sheet</td> <td>006881</td> </tr> </table>	Data sheet	006881	<p><b>A5Q00002067</b></p>																
Data sheet	006881																		
<p><b>IR80UL</b></p> <p><b>Easytec PIR detector, 12 m wide angle</b></p> <p>As IR80B for technical details, but for the UL-market.</p> <table border="0"> <tr> <td>Data sheet</td> <td>006881</td> </tr> </table>	Data sheet	006881	<p><b>A5Q00001768</b></p>																
Data sheet	006881																		
<p><b>IRUM2</b></p>  <p><b>Wall mount bracket</b></p> <p>Suitable for IR80, IRM80, IR200 and UP370. With the IRUM2 the detector can be swivelled into special positions for wall mounting applications.</p> <table border="0"> <tr> <td>Angle range adjustment</td> <td>+10 ~ -15° (vertical) +45 ~ -45° (horizontal)</td> </tr> <tr> <td>Weight</td> <td>0.100 kg</td> </tr> </table>	Angle range adjustment	+10 ~ -15° (vertical) +45 ~ -45° (horizontal)	Weight	0.100 kg	<p><b>BPZ:5198760001</b></p>														
Angle range adjustment	+10 ~ -15° (vertical) +45 ~ -45° (horizontal)																		
Weight	0.100 kg																		
<p><b>IRUM3</b></p>  <p><b>Ceiling mount bracket</b></p> <p>Suitable for IR80, IRM80, IR200 and UP370. With the IRUM3 the detector can be swivelled into special positions for ceiling mounting applications.</p> <table border="0"> <tr> <td>Angle range adjustment</td> <td>+10 ~ -15° (vertical) +45 ~ -45° (horizontal)</td> </tr> <tr> <td>Weight</td> <td>0.160 kg</td> </tr> </table>	Angle range adjustment	+10 ~ -15° (vertical) +45 ~ -45° (horizontal)	Weight	0.160 kg	<p><b>BPZ:5198890001</b></p>														
Angle range adjustment	+10 ~ -15° (vertical) +45 ~ -45° (horizontal)																		
Weight	0.160 kg																		

Intrusion Detectors  
Internal Motion Detectors  
PIR Internal Motion Detectors



Type	Order No.																										
<p><b>IR100B</b></p>  <p><b>Swisstec PIR detector, 12 m wide angle</b></p> <p>A unique combination of superior immunity and high detection reliability based on innovative technologies. The 18x3 triplex zone mirror and BASIC full digital signal processing, make this detector ideal for a wide range of commercial and domestic applications where domestic pets may be present. Pet immunity up to 20 kg.</p> <table border="0"> <tr> <td>Range</td> <td>12 m wide angle</td> </tr> <tr> <td>Supply voltage</td> <td>9 ~ 16 VDC (typical)</td> </tr> <tr> <td>Current consumption</td> <td>9 mA (9 mA on alarm)</td> </tr> <tr> <td>Alarm output relay contact</td> <td>30 VDC / 100 mA / Ri 33 Ohm</td> </tr> <tr> <td>Tamper output contact rating</td> <td>opens on alarm, 30 VDC / 50 mA</td> </tr> <tr> <td>Walk test indicator</td> <td>LED</td> </tr> <tr> <td>Sensitivity adjustment</td> <td>2 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>0.080 kg</td> </tr> <tr> <td>Data sheet</td> <td>007443</td> </tr> </table>	Range	12 m wide angle	Supply voltage	9 ~ 16 VDC (typical)	Current consumption	9 mA (9 mA on alarm)	Alarm output relay contact	30 VDC / 100 mA / Ri 33 Ohm	Tamper output contact rating	opens on alarm, 30 VDC / 50 mA	Walk test indicator	LED	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	<p><b>A5Q00002206</b></p>
Range	12 m wide angle																										
Supply voltage	9 ~ 16 VDC (typical)																										
Current consumption	9 mA (9 mA on alarm)																										
Alarm output relay contact	30 VDC / 100 mA / Ri 33 Ohm																										
Tamper output contact rating	opens on alarm, 30 VDC / 50 mA																										
Walk test indicator	LED																										
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																										
<p><b>IRS112</b></p>  <p><b>Mirror set for IR110 and IR100, 20 m curtain (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> <table border="0"> <tr> <td>Packing unit</td> <td>4 pieces per package</td> </tr> <tr> <td>Weight</td> <td>0.050 kg</td> </tr> </table>	Packing unit	4 pieces per package	Weight	0.050 kg	<p><b>BPZ:5622920001</b></p>																						
Packing unit	4 pieces per package																										
Weight	0.050 kg																										
<p><b>IRMC104</b></p>  <p><b>Pet clip</b></p> <p>Mirror clip for outstanding pet immunity.</p> <table border="0"> <tr> <td>Packing unit</td> <td>4 pieces per package</td> </tr> <tr> <td>Max. pet weight</td> <td>IR120: 40 kg IR100: 20 kg</td> </tr> <tr> <td>Weight</td> <td>0.005 kg</td> </tr> </table>	Packing unit	4 pieces per package	Max. pet weight	IR120: 40 kg IR100: 20 kg	Weight	0.005 kg	<p><b>BPZ:5623150001</b></p>																				
Packing unit	4 pieces per package																										
Max. pet weight	IR120: 40 kg IR100: 20 kg																										
Weight	0.005 kg																										
<p><b>IRUM20</b></p>  <p><b>Wall mount bracket</b></p> <p>With the IRUM20, the detectors can be swivelled into special positions for wall mounting applications.</p> <table border="0"> <tr> <td>Angle range adjustment</td> <td>+10 ~ -15° (vertical) +45 ~ -45° (horizontal)</td> </tr> <tr> <td>Weight</td> <td>0.044 kg</td> </tr> </table>	Angle range adjustment	+10 ~ -15° (vertical) +45 ~ -45° (horizontal)	Weight	0.044 kg	<p><b>BPZ:5622470001</b></p>																						
Angle range adjustment	+10 ~ -15° (vertical) +45 ~ -45° (horizontal)																										
Weight	0.044 kg																										

# Intrusion Detectors





## Internal Motion Detectors

### PIR Internal Motion Detectors

Type	Order No.																												
<p><b>IRUM30</b></p>  <p><b>Ceiling mount bracket</b></p> <p>Suitable for IR100, IR120, IRM120 and IR270. With the IRUM30, the detectors can be swivelled into special positions for ceiling mounting applications.</p> <table border="0"> <tr> <td>Angle range adjustment</td> <td>+10 ~ -15° (vertical) +45 ~ -45° (horizontal)</td> </tr> <tr> <td>Weight</td> <td>0.072 kg</td> </tr> </table>	Angle range adjustment	+10 ~ -15° (vertical) +45 ~ -45° (horizontal)	Weight	0.072 kg	<p><b>BPZ:5622500001</b></p>																								
Angle range adjustment	+10 ~ -15° (vertical) +45 ~ -45° (horizontal)																												
Weight	0.072 kg																												
<p><b>IR120..</b></p>  <p><b>Swisstek 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 18x3 triplex zone black mirror and the AMASIC full digital signal processing make this detector ideal for a wide range of commercial and domestic applications where pets may be present. Pet immunity up to 40 kg.</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 output contact rating</td> <td>opens on alarm, 30 VDC, 100 mA</td> </tr> <tr> <td>Tamper output contact rating</td> <td>opens on alarm, 30 VDC, 50 mA</td> </tr> <tr> <td>Walk test indicator</td> <td>LED</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 output contact rating	opens on alarm, 30 VDC, 100 mA	Tamper output contact rating	opens on alarm, 30 VDC, 50 mA	Walk test indicator	LED	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	<p><b>IR120..</b></p>
Range	12 m wide angle																												
Supply voltage	8 ~ 16 VDC (typical)																												
Current consumption	6 mA (6 mA on alarm)																												
Alarm output contact rating	opens on alarm, 30 VDC, 100 mA																												
Tamper output contact rating	opens on alarm, 30 VDC, 50 mA																												
Walk test indicator	LED																												
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																												
<p><b>IR120C</b></p> <p><b>Swisstek PIR detector 12 m wide angle, black mirror optics</b></p> <p>As IR120.. for technical details.</p> <table border="0"> <tr> <td>Data sheet</td> <td>007802</td> </tr> </table>	Data sheet	007802	<p><b>BPZ:5403790001</b></p>																										
Data sheet	007802																												
<p><b>IR120MD</b></p> <p><b>Swisstek PIR detector 12 m wide angle, black mirror optics</b></p> <p>As IR120.. for technical details, but with the following differences:</p> <table border="0"> <tr> <td>Set/unset input</td> <td>LOW ≤ 1.5 V / HIGH ≥ 3.5 V</td> </tr> <tr> <td>Data sheet</td> <td>007803</td> </tr> </table>	Set/unset input	LOW ≤ 1.5 V / HIGH ≥ 3.5 V	Data sheet	007803	<p><b>BPZ:5402980001</b></p>																								
Set/unset input	LOW ≤ 1.5 V / HIGH ≥ 3.5 V																												
Data sheet	007803																												
<p><b>IR120S</b></p> <p><b>Swisstek PIR detector, 12 m wide angle, black mirror optics, warm ambient conditions</b></p> <p>As IR120.. for technical details, but with increased sensitivity and optimized for markets with warm ambient conditions.</p> <table border="0"> <tr> <td>Data sheet</td> <td>008119</td> </tr> </table>	Data sheet	008119	<p><b>A5Q00001761</b></p>																										
Data sheet	008119																												

Intrusion Detectors  
Internal Motion Detectors  
PIR Internal Motion Detectors



Type		Order No.
IR120UL	<p><b>Swisstec PIR detector, 12 m wide angle, black mirror optics, UL market</b></p> <p>As IR120.. for technical details, but made for the UL market.</p> <p>Data sheet 008120</p>	A5Q00003264
IR120LSN	<p><b>Swisstec PIR detector 12 m wide angle, black mirror with LSN</b></p> <p>As IR120.. for technical details, but compatible with the LSN gateway SAG61.</p> <p>Data sheet 003995</p>	BPZ:5628940001
	<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. 12 m curtain for IRM120 20 m curtain for IR120</p> <p>Packing unit 4 pieces per package Weight 0.050 kg</p>	BPZ:5623020001
	<p><b>Pet clip</b></p> <p>Mirror clip for outstanding pet immunity.</p> <p>Packing unit 4 pieces per package Max. pet weight IR120: 40 kg IR100: 20 kg Weight 0.005 kg</p>	BPZ:5623150001
	<p><b>Wall mount bracket</b></p> <p>With the IRUM20, the detectors can be swivelled into special positions for wall mounting applications.</p> <p>Angle range adjustment +10 ~ -15° (vertical) +45 ~ -45° (horizontal) Weight 0.044 kg</p>	BPZ:5622470001
	<p><b>Ceiling mount bracket</b></p> <p>Suitable for IR100, IR120, IRM120 and IR270. With the IRUM30, the detectors can be swivelled into special positions for ceiling mounting applications.</p> <p>Angle range adjustment +10 ~ -15° (vertical) +45 ~ -45° (horizontal) Weight 0.072 kg</p>	BPZ:5622500001

# Intrusion Detectors


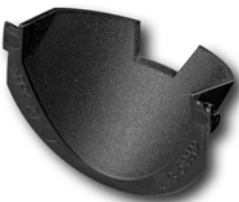



## Internal Motion Detectors

### PIR Internal Motion Detectors

Type	Order No.																												
<b>IR200..</b> 	<b>IR200..</b>																												
<p><b>Professional Visatec II™ PIR detector, 15 m wide angle</b></p> <p>An attractive design, timesaving installation, reliable detection and outstanding immunity make the IR200 the ideal motion detector for industrial and commercial applications, as well as for more demanding and sophisticated applications in the private sector.</p> <table border="0"> <tr> <td>Supply voltage</td> <td>8 ~ 16 VDC (typical)</td> </tr> <tr> <td>Current consumption</td> <td>5 mA (6 mA on alarm)</td> </tr> <tr> <td>Alarm output contact / load</td> <td>30 VDC / 100 mA opens on alarm</td> </tr> <tr> <td>Tamper contact / load</td> <td>30 VDC / 100 mA</td> </tr> <tr> <td>Optical System</td> <td>black mirror 15 m/ 18 zones</td> </tr> <tr> <td>Walk test indicator</td> <td>LED</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> <tr> <td>Data sheet</td> <td>007531</td> </tr> </table>	Supply voltage	8 ~ 16 VDC (typical)	Current consumption	5 mA (6 mA on alarm)	Alarm output contact / load	30 VDC / 100 mA opens on alarm	Tamper contact / load	30 VDC / 100 mA	Optical System	black mirror 15 m/ 18 zones	Walk test indicator	LED	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	Data sheet	007531	
Supply voltage	8 ~ 16 VDC (typical)																												
Current consumption	5 mA (6 mA on alarm)																												
Alarm output contact / load	30 VDC / 100 mA opens on alarm																												
Tamper contact / load	30 VDC / 100 mA																												
Optical System	black mirror 15 m/ 18 zones																												
Walk test indicator	LED																												
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																												
Data sheet	007531																												
<b>IR200C-II</b>	<b>BPZ:5193840001</b>																												
<p><b>Professional Visatec II™ PIR detector, 15 m wide angle</b></p> <p>As IR200.. for technical details.</p> <table border="0"> <tr> <td>Data sheet</td> <td>007531</td> </tr> </table>	Data sheet	007531																											
Data sheet	007531																												
<b>IR200CD</b>	<b>BPZ:5193710001</b>																												
<p><b>Professional Visatec II™ PIR detector, 15 m wide angle</b></p> <p>As IR200.. for technical details, but VdS approved.</p> <table border="0"> <tr> <td>Data sheet</td> <td>007778</td> </tr> </table>	Data sheet	007778																											
Data sheet	007778																												
<b>IR200ME</b>	<b>BPZ:5193680001</b>																												
<p><b>Professional Visatec II™ PIR detector, 15 m wide angle</b></p> <p>As IR200.. for technical details, but with the following extra features: Selection between electronic alarm output or set/unset memory input.</p> <table border="0"> <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>Data sheet</td> <td>007778</td> </tr> </table>	Set/unset input	LOW ≤ 1.5 V / HIGH ≥ 3.5 V	Electronic output	during alarm => 0 V (open collector)	Data sheet	007778																							
Set/unset input	LOW ≤ 1.5 V / HIGH ≥ 3.5 V																												
Electronic output	during alarm => 0 V (open collector)																												
Data sheet	007778																												
<b>IR200LSN</b>	<b>BPZ:5499560001</b>																												
<p><b>Professional Visatec II™ PIR detector, 15 m wide angle</b></p> <p>As IR200ME for technical details, but suited for connection on LSN gateway SAG61 (for Sintony 410 only).</p>																													
<b>IRS162</b> 	<b>BPZ:4893750001</b>																												
<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> <table border="0"> <tr> <td>Packing unit</td> <td>4 pieces per package</td> </tr> <tr> <td>Weight</td> <td>0.055 kg</td> </tr> </table>	Packing unit	4 pieces per package	Weight	0.055 kg																									
Packing unit	4 pieces per package																												
Weight	0.055 kg																												

Intrusion Detectors  
Internal Motion Detectors  
PIR Internal Motion Detectors





Type	Order No.
<p><b>IRS164</b></p> <p><b>Pet alley mirror set for IR200, 10 m wide angle</b></p> <p>The IRS164 pet alley mirror is mounted at approx. 1 m height leaving a detection alley for animals underneath.</p>  <p>Packing unit                      4 pieces per package Weight                                0.040 kg</p>	<p><b>BPZ:5032060001</b></p>
<p><b>IRMC1</b></p> <p><b>Short-range masking clip, 6 x 6 m wide angle</b></p> <p>Suitable for IR200 and UP370. The IRMC1 reduces the coverage area to 6 x 6 m and is recommended to be used in rooms smaller than that size, together with the wide angle mirror.</p>  <p>Packing unit                      10 pieces per package Weight                                0.125 kg</p>	<p><b>BPZ:5209170001</b></p>
<p><b>IRMF20</b></p> <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>Packing unit                      10 pieces per package Weight                                0.075 kg</p>	<p><b>BPZ:5209200001</b></p>
<p><b>IRUM2</b></p> <p><b>Wall mount bracket</b></p> <p>Suitable for IR80, IRM80, IR200 and UP370. With the IRUM2 the detector can be swivelled into special positions for wall mounting applications.</p>  <p>Angle range adjustment        +10 ~ -15° (vertical)    +45 ~ -45° (horizontal) Weight                                0.100 kg</p>	<p><b>BPZ:5198760001</b></p>
<p><b>IRUM3</b></p> <p><b>Ceiling mount bracket</b></p> <p>Suitable for IR80, IRM80, IR200 and UP370. With the IRUM3 the detector can be swivelled into special positions for ceiling mounting applications.</p>  <p>Angle range adjustment        +10 ~ -15° (vertical)    +45 ~ -45° (horizontal) Weight                                0.160 kg</p>	<p><b>BPZ:5198890001</b></p>

# Intrusion Detectors

## Internal Motion Detectors

### PIR Internal Motion Detectors


Type	Order No.
<b>IRAK3</b> 	<b>BPZ:4648530001</b>
<p><b>Back tamper contact</b></p> <p>Suitable for IR80, IR200 and UP370. The IRAK3 can be fitted in the base of the detector for additional surveillance against vandalism.</p> <p>Weight 0.007 kg</p>	
<b>IR270..</b> 	<b>IR270..</b>
<p><b>Visatec II™ Pro PIR detector, 18 m wide angle</b></p> <p>A unique combination of immunity to false alarms and maximum detection reliability make the IR270.. ideal for a wide range of applications, including commercial and industrial premises, large private houses and public buildings.</p> <p>Supply voltage 8 ~ 16 VDC (typical)            Current consumption 2.8 mA (&lt;12 mA on alarm)            Alarm output contact / load 30 VDC / 100 mA opens on alarm            Tamper contact / load 30 VDC / 100 mA            Optical System black triplex mirror 18 m            Walk test indicator LED            Walk test input LOW ≤ 1.5 V / HIGH ≥ 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</p>	
<b>IR270C</b>	<b>BPZ:5714870001</b>
<p><b>Visatec II™ PIR detector, 18 m wide angle</b></p> <p>As IR270.. for technical details.</p> <p>Data sheet 007752</p>	
<b>IR270MD</b>	<b>A5Q00001864</b>
<p><b>Visatec II™ Pro PIR detector, 18 m wide angle</b></p> <p>As IR270.. for technical details, but VdS approved.</p> <p>Set/unset input LOW ≤ 1.5 V / HIGH ≥ 3.5 V            Data sheet 006895</p>	
<b>IRS272</b>	<b>BPZ:5717330001</b>
<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. 15 m curtain for the IRO840T. 30 m curtain for IR270 and IRM270.</p> <p>Packing unit 4 pieces per package            Weight 0.055 kg</p>	



# Intrusion Detectors




## Internal Motion Detectors

### PIR Internal Motion Detectors

Type	Order No.																		
<p><b>IR310MD</b>                      <b>Visatec™ PIR detector, 18 m wide angle</b></p> <p>As IR310.. for technical details, but with the following differences:</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 on alarm)</td> </tr> <tr> <td>Alarm output contact</td> <td>30 VDC / 100 mA (change over contact)</td> </tr> <tr> <td>Set/unset input</td> <td>LOW &lt; 1.5 V / HIGH &gt; 3.5 V</td> </tr> <tr> <td>Electronic output</td> <td>during alarm =&gt; 0 V (open collector)</td> </tr> <tr> <td>Jam output</td> <td>first alarm =&gt; 0 V</td> </tr> <tr> <td>Disturbance signal output</td> <td>active =&gt; 0 V (open collector)</td> </tr> <tr> <td>Signal indicator</td> <td>active =&gt; 0 V (open collector)</td> </tr> <tr> <td>Data sheet</td> <td>007813</td> </tr> </table>	Supply voltage	8 ~ 16 VDC (typical)	Current consumption	4.5 mA (26 mA on alarm)	Alarm output contact	30 VDC / 100 mA (change over contact)	Set/unset input	LOW < 1.5 V / HIGH > 3.5 V	Electronic output	during alarm => 0 V (open collector)	Jam output	first alarm => 0 V	Disturbance signal output	active => 0 V (open collector)	Signal indicator	active => 0 V (open collector)	Data sheet	007813	<b>BPZ:4459080001</b>
Supply voltage	8 ~ 16 VDC (typical)																		
Current consumption	4.5 mA (26 mA on alarm)																		
Alarm output contact	30 VDC / 100 mA (change over contact)																		
Set/unset input	LOW < 1.5 V / HIGH > 3.5 V																		
Electronic output	during alarm => 0 V (open collector)																		
Jam output	first alarm => 0 V																		
Disturbance signal output	active => 0 V (open collector)																		
Signal indicator	active => 0 V (open collector)																		
Data sheet	007813																		
<p><b>IR312C</b>                        <b>Visatec PIR detector, 50 m long range curtain</b></p> <p>As IR310C.. for technical details, but with the following difference:</p> <table border="0"> <tr> <td>Long range (curtain)</td> <td>50 m</td> </tr> <tr> <td>Data sheet</td> <td>007811</td> </tr> </table>	Long range (curtain)	50 m	Data sheet	007811	<b>BPZ:4459660001</b>														
Long range (curtain)	50 m																		
Data sheet	007811																		
<p><b>IR312CD</b>                    <b>Visatec PIR detector, 50 m long range curtain</b></p> <p>As IR310CD for technical details, but with the following difference:</p> <table border="0"> <tr> <td>Long range (curtain)</td> <td>50 m</td> </tr> <tr> <td>Data sheet</td> <td>007812</td> </tr> </table>	Long range (curtain)	50 m	Data sheet	007812	<b>BPZ:4462110001</b>														
Long range (curtain)	50 m																		
Data sheet	007812																		
<p><b>IR312MD</b>                    <b>Visatec PIR detector, 50 m long range curtain</b></p> <p>In addition to the technical features of the IR312CD, the IR312MD offers event memory and is exclusively sold in Germany.</p> <table border="0"> <tr> <td>Long range (curtain)</td> <td>50 m</td> </tr> <tr> <td>Data sheet</td> <td>007813</td> </tr> </table>	Long range (curtain)	50 m	Data sheet	007813	<b>BPZ:4461010001</b>														
Long range (curtain)	50 m																		
Data sheet	007813																		
<p><b>IRAK3</b></p>  <p><b>Back tamper contact</b></p> <p>Suitable for IR80, IR200 and UP370. The IRAK3 can be fitted in the base of the detector for additional surveillance against vandalism.</p> <table border="0"> <tr> <td>Weight</td> <td>0.007 kg</td> </tr> </table>	Weight	0.007 kg	<b>BPZ:4648530001</b>																
Weight	0.007 kg																		

Intrusion Detectors  
**Internal Motion Detectors**  
**PIR Motion Detectors With Anti-Mask**



Type	Order No.																														
<p><b>IR270CT</b></p>  <p><b>Visatec II™ Pro PIR detector, 18m wide angle with antimask</b></p> <p>A unique combination of immunity to false alarms and maximum detection reliability make the IR270CT 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</td> </tr> <tr> <td>Current consumption</td> <td>3.2 mA (&lt;12 mA on alarm)</td> </tr> <tr> <td>Alarm output contact / load</td> <td>30 VDC / 100 mA opens on alarm</td> </tr> <tr> <td>Tamper contact / load</td> <td>30 VDC / 100 mA</td> </tr> <tr> <td>Anti-mask output contact</td> <td>30 VDC / 100 mA</td> </tr> <tr> <td>Optical System</td> <td>black infrared triplex mirror 18 m</td> </tr> <tr> <td>Walk test indicator</td> <td>LED</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>0.1 ~ 4 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 50 mm</td> </tr> <tr> <td>Weight</td> <td>0.150 kg</td> </tr> <tr> <td>Data sheet</td> <td>007753</td> </tr> </table>	Supply voltage	8 ~ 16 VDC	Current consumption	3.2 mA (<12 mA on alarm)	Alarm output contact / load	30 VDC / 100 mA opens on alarm	Tamper contact / load	30 VDC / 100 mA	Anti-mask output contact	30 VDC / 100 mA	Optical System	black infrared triplex mirror 18 m	Walk test indicator	LED	Walk test input	LOW ≤ 1.5 V / HIGH ≥ 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	<p><b>A5Q00003273</b></p>
Supply voltage	8 ~ 16 VDC																														
Current consumption	3.2 mA (<12 mA on alarm)																														
Alarm output contact / load	30 VDC / 100 mA opens on alarm																														
Tamper contact / load	30 VDC / 100 mA																														
Anti-mask output contact	30 VDC / 100 mA																														
Optical System	black infrared triplex mirror 18 m																														
Walk test indicator	LED																														
Walk test input	LOW ≤ 1.5 V / HIGH ≥ 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																														
<p><b>IR270T</b></p>  <p><b>Visatec II™ Pro PIR detector, 18m wide angle with antimask</b></p> <p>A unique combination of immunity to false alarms and maximum detection reliability make the IR270T 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 output contact / load</td> <td>30 VDC / 100 mA opens on alarm</td> </tr> <tr> <td>Tamper contact / load</td> <td>30 VDC / 100 mA</td> </tr> <tr> <td>Anti-mask output contact</td> <td>30 VDC / 100 mA</td> </tr> <tr> <td>Optical System</td> <td>black triplex mirror 18 m</td> </tr> <tr> <td>Walk test indicator</td> <td>LED</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>0.1 ~ 4 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 50 mm</td> </tr> <tr> <td>Weight</td> <td>0.150 kg</td> </tr> <tr> <td>Data sheet</td> <td>006894</td> </tr> </table>	Supply voltage	8 ~ 16 VDC (typical)	Current consumption	2.8 mA (<12 mA on alarm)	Alarm output contact / load	30 VDC / 100 mA opens on alarm	Tamper contact / load	30 VDC / 100 mA	Anti-mask output contact	30 VDC / 100 mA	Optical System	black triplex mirror 18 m	Walk test indicator	LED	Walk test input	LOW ≤ 1.5 V / HIGH ≥ 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	<p><b>BPZ:5627130001</b></p>
Supply voltage	8 ~ 16 VDC (typical)																														
Current consumption	2.8 mA (<12 mA on alarm)																														
Alarm output contact / load	30 VDC / 100 mA opens on alarm																														
Tamper contact / load	30 VDC / 100 mA																														
Anti-mask output contact	30 VDC / 100 mA																														
Optical System	black triplex mirror 18 m																														
Walk test indicator	LED																														
Walk test input	LOW ≤ 1.5 V / HIGH ≥ 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																														
<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. 15 m curtain for the IRO840T. 30 m curtain for IR270 and IRM270.</p> <table border="0"> <tr> <td>Packing unit</td> <td>4 pieces per package</td> </tr> <tr> <td>Weight</td> <td>0.055 kg</td> </tr> </table>	Packing unit	4 pieces per package	Weight	0.055 kg	<p><b>BPZ:5717330001</b></p>																										
Packing unit	4 pieces per package																														
Weight	0.055 kg																														





# Intrusion Detectors

## Internal Motion Detectors

### Dual Internal Motion Detectors





Type	Order No.																						
<p><b>IRM80</b></p>  <p><b>Matchtec® PIR/MW motion detector</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>Microwave (MV)</td> <td>2.45 GHz</td> </tr> <tr> <td>Walk test indicator</td> <td>LED</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 (EN60529)</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)	Microwave (MV)	2.45 GHz	Walk test indicator	LED	Sensitivity adjustment	2 levels	Operating temperature	-20 ~ +55 °C	Housing protection (EN60529)	IP41	Dimensions (W x H x D)	87 x 51 x 45 mm	Weight	0.100 kg	Data sheet	008559	<p><b>BPZ:5716780001</b></p>
Range	12 m																						
Supply voltage	8 ~ 16 VDC (typical)																						
Current consumption	4.5 mA (18 mA on alarm)																						
Microwave (MV)	2.45 GHz																						
Walk test indicator	LED																						
Sensitivity adjustment	2 levels																						
Operating temperature	-20 ~ +55 °C																						
Housing protection (EN60529)	IP41																						
Dimensions (W x H x D)	87 x 51 x 45 mm																						
Weight	0.100 kg																						
Data sheet	008559																						
<p><b>IRUM2</b></p>  <p><b>Wall mount bracket</b></p> <p>Suitable for IR80, IRM80, IR200 and UP370. With the IRUM2 the detector can be swivelled into special positions for wall mounting applications.</p> <table border="0"> <tr> <td>Angle range adjustment</td> <td>+10 ~ -15° (vertical) +45 ~ -45° (horizontal)</td> </tr> <tr> <td>Weight</td> <td>0.100 kg</td> </tr> </table>	Angle range adjustment	+10 ~ -15° (vertical) +45 ~ -45° (horizontal)	Weight	0.100 kg	<p><b>BPZ:5198760001</b></p>																		
Angle range adjustment	+10 ~ -15° (vertical) +45 ~ -45° (horizontal)																						
Weight	0.100 kg																						
<p><b>IRUM3</b></p>  <p><b>Ceiling mount bracket</b></p> <p>Suitable for IR80, IRM80, IR200 and UP370. With the IRUM3 the detector can be swivelled into special positions for ceiling mounting applications.</p> <table border="0"> <tr> <td>Angle range adjustment</td> <td>+10 ~ -15° (vertical) +45 ~ -45° (horizontal)</td> </tr> <tr> <td>Weight</td> <td>0.160 kg</td> </tr> </table>	Angle range adjustment	+10 ~ -15° (vertical) +45 ~ -45° (horizontal)	Weight	0.160 kg	<p><b>BPZ:5198890001</b></p>																		
Angle range adjustment	+10 ~ -15° (vertical) +45 ~ -45° (horizontal)																						
Weight	0.160 kg																						

# Intrusion Detectors

## Internal Motion Detectors

### Dual Internal Motion Detectors





Type	Order No.																																
IRM120..	IRM120..																																
	<p><b>Matchtec® PIR/MW motion detector</b></p> <p>The detector's design is easily incorporated into any surrounding. Because two detection systems are used (microwave and passive infrared as well as the MATCHTEC® signal processing) 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>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>7.5 mA (20 mA on alarm)</td></tr> <tr><td>Microwave (MV)</td><td>2.45 Ghz</td></tr> <tr><td>Alarm output relay contact</td><td>30 VDC / 100 mA</td></tr> <tr><td>Alarm holding time</td><td>2 ~3 s</td></tr> <tr><td>Tamper contact</td><td>30 VDC / 50 mA</td></tr> <tr><td>Control input</td><td>LOW &lt; 1.5 V / HIGH &gt; 3.5 V</td></tr> <tr><td>Walking speed</td><td>0.2 ~ 3 m/s (0.2 ~ 4 m/s)</td></tr> <tr><td>Signal evaluation</td><td>MATCHTEC®</td></tr> <tr><td>Operating temperature</td><td>-20 ~ +55 °C</td></tr> <tr><td>Storage temperature</td><td>- 20 + 60°C</td></tr> <tr><td>Dimensions (W x H x D)</td><td>115 x 50 x 41</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>	Range	12 m	Supply voltage	8 ~ 16 VDC (typical)	Current consumption	7.5 mA (20 mA on alarm)	Microwave (MV)	2.45 Ghz	Alarm output relay contact	30 VDC / 100 mA	Alarm holding time	2 ~3 s	Tamper contact	30 VDC / 50 mA	Control input	LOW < 1.5 V / HIGH > 3.5 V	Walking speed	0.2 ~ 3 m/s (0.2 ~ 4 m/s)	Signal evaluation	MATCHTEC®	Operating temperature	-20 ~ +55 °C	Storage temperature	- 20 + 60°C	Dimensions (W x H x D)	115 x 50 x 41	Air humidity (EN 60721)	< 95% rH, non-condensing	EMC up to 2 GHz	30 V/m	Weight	0.120 kg
Range	12 m																																
Supply voltage	8 ~ 16 VDC (typical)																																
Current consumption	7.5 mA (20 mA on alarm)																																
Microwave (MV)	2.45 Ghz																																
Alarm output relay contact	30 VDC / 100 mA																																
Alarm holding time	2 ~3 s																																
Tamper contact	30 VDC / 50 mA																																
Control input	LOW < 1.5 V / HIGH > 3.5 V																																
Walking speed	0.2 ~ 3 m/s (0.2 ~ 4 m/s)																																
Signal evaluation	MATCHTEC®																																
Operating temperature	-20 ~ +55 °C																																
Storage temperature	- 20 + 60°C																																
Dimensions (W x H x D)	115 x 50 x 41																																
Air humidity (EN 60721)	< 95% rH, non-condensing																																
EMC up to 2 GHz	30 V/m																																
Weight	0.120 kg																																
IRM120C	A5Q00004068																																
	<p><b>Matchtec® PIR/MW motion detector</b></p> <p>As IRM120.. for technical details.</p> <table border="0"> <tr><td>Data sheet</td><td>008261</td></tr> </table>	Data sheet	008261																														
Data sheet	008261																																
IRM120MD	A5Q00001997																																
	<p><b>Matchtec® PIR/MW motion detector</b></p> <p>As IRM120.. for technical details, but exclusively sold to the German market.</p> <table border="0"> <tr><td>Set/unset input</td><td>LOW &lt; 1.5 V / HIGH &gt; 3.5 V</td></tr> <tr><td>Data sheet</td><td>008252</td></tr> </table>	Set/unset input	LOW < 1.5 V / HIGH > 3.5 V	Data sheet	008252																												
Set/unset input	LOW < 1.5 V / HIGH > 3.5 V																																
Data sheet	008252																																
IRS122	BPZ:5623020001																																
	<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.  12 m curtain for IRM120  20 m curtain for IR120</p> <table border="0"> <tr><td>Packing unit</td><td>4 pieces per package</td></tr> <tr><td>Weight</td><td>0.050 kg</td></tr> </table>	Packing unit	4 pieces per package	Weight	0.050 kg																												
Packing unit	4 pieces per package																																
Weight	0.050 kg																																

# Intrusion Detectors

## Internal Motion Detectors

### Dual Internal Motion Detectors



Type	Order No.
<p><b>IRMC104</b></p>  <p><b>Pet clip</b></p> <p>Mirror clip for outstanding pet immunity.</p> <p>Packing unit 4 pieces per package</p> <p>Max. pet weight IR120: 40 kg IR100: 20 kg</p> <p>Weight 0.005 kg</p>	<p><b>BPZ:5623150001</b></p>
<p><b>IRUM20</b></p>  <p><b>Wall mount bracket</b></p> <p>With the IRUM20, the detectors can be swivelled into special positions for wall mounting applications.</p> <p>Angle range adjustment +10 ~ -15° (vertical) +45 ~ -45° (horizontal)</p> <p>Weight 0.044 kg</p>	<p><b>BPZ:5622470001</b></p>
<p><b>IRUM30</b></p>  <p><b>Ceiling mount bracket</b></p> <p>Suitable for IR100, IR120, IRM120 and IR270. With the IRUM30, the detectors can be swivelled into special positions for ceiling mounting applications.</p> <p>Angle range adjustment +10 ~ -15° (vertical) +45 ~ -45° (horizontal)</p> <p>Weight 0.072 kg</p>	<p><b>BPZ:5622500001</b></p>
<p><b>IRM270..</b></p>  <p><b>Matchtec® PIR/ MW motion detector, 18 wide angle</b></p> <p>Reliable recognition of intruders is ensured thanks to sophisticated digital MATCHTEC® 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 sub systems.</p> <p>Range 18 m</p> <p>Supply voltage 8 ~ 16 VDC (typical)</p> <p>Current consumption 7.5 mA (13 mA on alarm)</p> <p>Alarm output relay contact 30 VDC / 100 mA</p> <p>Alarm holding time 2 ~ 3 s</p> <p>Tamper contact 30 VDC / 50 mA</p> <p>Control input LOW &lt; 1.5 V / HIGH &gt; 3.5 V</p> <p>Walking speed 0.2 ~ 4 m/s</p> <p>Signal evaluation MATCHTEC®</p> <p>Operating temperature -20 ~ +55 °C</p> <p>Storage temperature - 20 + 60°C</p> <p>Dimensions (W x H x D) 136 x 55 x 57 mm</p> <p>Air humidity (EN 60721) &lt; 95% rH, non-condensing</p> <p>EMC up to 2 GHz 30 V/m</p> <p>Weight 0.120 kg</p>	<p><b>IRM270..</b></p>

# Intrusion Detectors

## Internal Motion Detectors

### Dual Internal Motion Detectors


Type		Order No.				
IRM270C	<p><b>Matchtec® PIR/ MW motion detector, 18 wide angle</b></p> <p>As IRM270.. for technical details, but with the following difference:</p> <table border="0"> <tr> <td>Microwave (MV)</td> <td>10.525 GHz</td> </tr> <tr> <td>Data sheet</td> <td>008556</td> </tr> </table>	Microwave (MV)	10.525 GHz	Data sheet	008556	A5Q00007825
Microwave (MV)	10.525 GHz					
Data sheet	008556					
IRM270MD	<p><b>Matchtec® PIR/ MW motion detector, 18 wide angle</b></p> <p>As IRM270.. for technical details, but with the following difference:</p> <table border="0"> <tr> <td>Microwave (MV)</td> <td>9.35 GHz</td> </tr> <tr> <td>Data sheet</td> <td>008528</td> </tr> </table>	Microwave (MV)	9.35 GHz	Data sheet	008528	A5Q00002671
Microwave (MV)	9.35 GHz					
Data sheet	008528					
IRM270CFR	<p><b>Matchtec® PIR/ MW motion detector, 18 wide angle</b></p> <p>As IRM270.. for technical details, but with the following difference:</p> <table border="0"> <tr> <td>Microwave (MV)</td> <td>9.9 GHz</td> </tr> <tr> <td>Data sheet</td> <td>008557</td> </tr> </table>	Microwave (MV)	9.9 GHz	Data sheet	008557	A5Q00007831
Microwave (MV)	9.9 GHz					
Data sheet	008557					
IRM270CUK	<p><b>Matchtec® PIR/ MW motion detector, 18 wide angle</b></p> <p>As IRM270.. for technical details, but with the following difference:</p> <table border="0"> <tr> <td>Microwave (MV)</td> <td>10.687 GHz</td> </tr> <tr> <td>Data sheet</td> <td>008558</td> </tr> </table>	Microwave (MV)	10.687 GHz	Data sheet	008558	A5Q00007840
Microwave (MV)	10.687 GHz					
Data sheet	008558					
IRS272	<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. 15 m curtain for the IRO840T. 30 m curtain for IR270 and IRM270.</p> <table border="0"> <tr> <td>Packing unit</td> <td>4 pieces per package</td> </tr> <tr> <td>Weight</td> <td>0.055 kg</td> </tr> </table>	Packing unit	4 pieces per package	Weight	0.055 kg	BPZ:5717330001
Packing unit	4 pieces per package					
Weight	0.055 kg					
IRUM20	<p><b>Wall mount bracket</b></p> <p>With the IRUM20, the detectors can be swivelled into special positions for wall mounting applications.</p> <table border="0"> <tr> <td>Angle range adjustment</td> <td>+10 ~ -15° (vertical) +45 ~ -45° (horizontal)</td> </tr> <tr> <td>Weight</td> <td>0.044 kg</td> </tr> </table>	Angle range adjustment	+10 ~ -15° (vertical) +45 ~ -45° (horizontal)	Weight	0.044 kg	BPZ:5622470001
Angle range adjustment	+10 ~ -15° (vertical) +45 ~ -45° (horizontal)					
Weight	0.044 kg					
IRUM30	<p><b>Ceiling mount bracket</b></p> <p>Suitable for IR100, IR120, IRM120 and IR270. With the IRUM30, the detectors can be swivelled into special positions for ceiling mounting applications.</p> <table border="0"> <tr> <td>Angle range adjustment</td> <td>+10 ~ -15° (vertical) +45 ~ -45° (horizontal)</td> </tr> <tr> <td>Weight</td> <td>0.072 kg</td> </tr> </table>	Angle range adjustment	+10 ~ -15° (vertical) +45 ~ -45° (horizontal)	Weight	0.072 kg	BPZ:5622500001
Angle range adjustment	+10 ~ -15° (vertical) +45 ~ -45° (horizontal)					
Weight	0.072 kg					

# Intrusion Detectors

## Internal Motion Detectors

### Dual Internal Motion Detectors With Anti-Mask



Type	Order No.																														
<p><b>IRM270T..</b></p>  <p><b>Matchtec® PIR/ MW motion detector with real time antimask surveillance</b></p> <p>Reliable recognition of intruders is ensured thanks to sophisticated digital MATCHTEC® 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 sub systems.</p> <table border="0"> <tr><td>Range</td><td>18 m</td></tr> <tr><td>Supply voltage</td><td>9 ~ 16 VDC (typical)</td></tr> <tr><td>Current consumption</td><td>8.0 mA (15 mA on alarm)</td></tr> <tr><td>Alarm output contact</td><td>30 VDC / 100 mA</td></tr> <tr><td>Alarm holding time</td><td>2 ~ 3 s</td></tr> <tr><td>Tamper contact</td><td>30 VDC / 100 mA</td></tr> <tr><td>Anti-mask output contact</td><td>30 VDC / 100 mA</td></tr> <tr><td>Control input</td><td>LOW &lt; 1.5 V / HIGH &gt; 3.5 V</td></tr> <tr><td>Walking speed</td><td>0.1 ... 4.0 m/s</td></tr> <tr><td>Signal evaluation</td><td>MATCHTEC®</td></tr> <tr><td>Operating temperature</td><td>-20 ~ +55 °C</td></tr> <tr><td>Storage temperature</td><td>- 20 + 60°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	Supply voltage	9 ~ 16 VDC (typical)	Current consumption	8.0 mA (15 mA on alarm)	Alarm output contact	30 VDC / 100 mA	Alarm holding time	2 ~ 3 s	Tamper contact	30 VDC / 100 mA	Anti-mask output contact	30 VDC / 100 mA	Control input	LOW < 1.5 V / HIGH > 3.5 V	Walking speed	0.1 ... 4.0 m/s	Signal evaluation	MATCHTEC®	Operating temperature	-20 ~ +55 °C	Storage temperature	- 20 + 60°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	<p><b>IRM270T..</b></p>
Range	18 m																														
Supply voltage	9 ~ 16 VDC (typical)																														
Current consumption	8.0 mA (15 mA on alarm)																														
Alarm output contact	30 VDC / 100 mA																														
Alarm holding time	2 ~ 3 s																														
Tamper contact	30 VDC / 100 mA																														
Anti-mask output contact	30 VDC / 100 mA																														
Control input	LOW < 1.5 V / HIGH > 3.5 V																														
Walking speed	0.1 ... 4.0 m/s																														
Signal evaluation	MATCHTEC®																														
Operating temperature	-20 ~ +55 °C																														
Storage temperature	- 20 + 60°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																														
<p><b>IRM270CT</b></p> <p><b>Matchtec® PIR/ MW motion detector with real time antimask surveillance</b></p> <p>As IRM270T.. for technical details, but with the following differences:</p> <table border="0"> <tr><td>Microwave (MV)</td><td>10.525 GHz</td></tr> <tr><td>Data sheet</td><td>008970</td></tr> </table>	Microwave (MV)	10.525 GHz	Data sheet	008970	<p><b>A5Q00007851</b></p>																										
Microwave (MV)	10.525 GHz																														
Data sheet	008970																														
<p><b>IRM270T</b></p> <p><b>Matchtec® PIR/ MW motion detector with real time antimask surveillance</b></p> <p>As IRM270T.. for technical details, but with the following differences:</p> <table border="0"> <tr><td>Microwave (MV)</td><td>9.35 GHz</td></tr> <tr><td>Data sheet</td><td>008969</td></tr> </table>	Microwave (MV)	9.35 GHz	Data sheet	008969	<p><b>A5Q00002416</b></p>																										
Microwave (MV)	9.35 GHz																														
Data sheet	008969																														
<p><b>IRM270CTFR</b></p> <p><b>Matchtec® PIR/ MW motion detector with real time antimask surveillance</b></p> <p>As IRM270CT for technical details, but with the following differences:</p> <table border="0"> <tr><td>Microwave (MV)</td><td>9.9 GHz</td></tr> <tr><td>Data sheet</td><td>008972</td></tr> </table>	Microwave (MV)	9.9 GHz	Data sheet	008972	<p><b>A5Q00007891</b></p>																										
Microwave (MV)	9.9 GHz																														
Data sheet	008972																														
<p><b>IRM270CTUK</b></p> <p><b>Matchtec® PIR/ MW motion detector with real time antimask surveillance</b></p> <p>As IRM270CT for technical details, but with the following differences:</p> <table border="0"> <tr><td>Microwave (MV)</td><td>10.687 GHz</td></tr> <tr><td>Data sheet</td><td>008971</td></tr> </table>	Microwave (MV)	10.687 GHz	Data sheet	008971	<p><b>A5Q00007894</b></p>																										
Microwave (MV)	10.687 GHz																														
Data sheet	008971																														



Intrusion Detectors  
Internal Motion Detectors  
PIR Ceiling Mount Motion Detectors



Type

Order No.

IR261



**Passive infrared detector for ceiling**

IR261 ceiling-mounted passive infrared detector offers a detection coverage of 360°.




Range	7.6 m radius / 360 °
Supply voltage	10.5 ~ 18 VDC (typical)
Current consumption	< 35 mA
Alarm output contact rating	max. 30 VDC / 250 mA
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

BPZ:5667770001

# Intrusion Detectors

## Internal Motion Detectors

### PIR / Ultrasound Motion Detectors



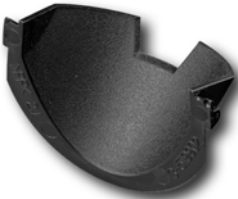
Type	Order No.																								
UP370..	UP370..																								
	<p><b>Matchtec PIR/US detector, 10 m wide angle</b></p> <p>Attractive design, reliable motion detection and excellent immunity to disturbances make the UP370.. ideal for demanding commercial, industrial and high-security applications.</p> <table border="0"> <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 output contact rating</td> <td>30 VDC / 100 mA</td> </tr> <tr> <td>Tamper output contact rating</td> <td>30 VDC / 50 mA</td> </tr> <tr> <td>Walk test indicator</td> <td>LED</td> </tr> <tr> <td>Control input</td> <td>walk test LOW ≤ 1.5 V / HIGH ≥ 3.5 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 (EN60529)</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>	Range	10 m wide angle	Supply voltage	8 ~ 16 VDC (typical)	Alarm output contact rating	30 VDC / 100 mA	Tamper output contact rating	30 VDC / 50 mA	Walk test indicator	LED	Control input	walk test 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 (EN60529)	IP41	Dimensions (W x H x D)	70 x 170 x 63 mm	Weight	0.220 kg
Range	10 m wide angle																								
Supply voltage	8 ~ 16 VDC (typical)																								
Alarm output contact rating	30 VDC / 100 mA																								
Tamper output contact rating	30 VDC / 50 mA																								
Walk test indicator	LED																								
Control input	walk test 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 (EN60529)	IP41																								
Dimensions (W x H x D)	70 x 170 x 63 mm																								
Weight	0.220 kg																								
UP370C	BPZ:5198180001																								
	<p>As UP370.. for technical details, but with the following differences:</p> <table border="0"> <tr> <td>Current consumption</td> <td>17 mA (33 mA on alarm)</td> </tr> <tr> <td>Data sheet</td> <td>007804</td> </tr> </table>	Current consumption	17 mA (33 mA on alarm)	Data sheet	007804																				
Current consumption	17 mA (33 mA on alarm)																								
Data sheet	007804																								
UP370MD	BPZ:5198210001																								
	<p>As UP370.. for technical details, but with the following differences:</p> <table border="0"> <tr> <td>Current consumption</td> <td>16 mA (32 mA on alarm)</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>007805</td> </tr> </table>	Current consumption	16 mA (32 mA on alarm)	Set/unset input	LOW ≤ 1.5 V / HIGH ≥ 3.5 V	Data sheet	007805																		
Current consumption	16 mA (32 mA on alarm)																								
Set/unset input	LOW ≤ 1.5 V / HIGH ≥ 3.5 V																								
Data sheet	007805																								
IRMF20	BPZ:5209200001																								
	<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> <table border="0"> <tr> <td>Packing unit</td> <td>10 pieces per package</td> </tr> <tr> <td>Weight</td> <td>0.075 kg</td> </tr> </table>	Packing unit	10 pieces per package	Weight	0.075 kg																				
Packing unit	10 pieces per package																								
Weight	0.075 kg																								
IRMC1	BPZ:5209170001																								
	<p><b>Short-range masking clip, 6 x 6 m wide angle</b></p> <p>Suitable for IR200 and UP370. The IRMC1 reduces the coverage area to 6 x 6 m and is recommended to be used in rooms smaller than that size, together with the wide angle mirror.</p> <table border="0"> <tr> <td>Packing unit</td> <td>10 pieces per package</td> </tr> <tr> <td>Weight</td> <td>0.125 kg</td> </tr> </table>	Packing unit	10 pieces per package	Weight	0.125 kg																				
Packing unit	10 pieces per package																								
Weight	0.125 kg																								



# Intrusion Detectors

## Internal Motion Detectors

### PIR / Ultrasound Motion Detectors With Anti-Mask




Type	Order No.																																
<p><b>UP370T..</b></p>  <p><b>Matchtec PIR/US detector with antimask, 10 m wide angle</b></p> <p>Appealing design, reliable motion detection, professional antimask surveillance and excellent immunity to disturbances make the UP370T.. 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>Anti-mask output contact</td> <td>30 VDC / 100 mA</td> </tr> <tr> <td>Anti-mask</td> <td>0 up to approx 0.2 m clearance</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 output contact rating</td> <td>30 VDC / 100 mA</td> </tr> <tr> <td>Tamper output contact rating</td> <td>30 VDC / 50 mA</td> </tr> <tr> <td>Walk test indicator</td> <td>LED</td> </tr> <tr> <td>Control input</td> <td>LOW ≤ 1.5 V / HIGH ≥ 3.5 V (walk test/set/unset)</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 (EN60529)</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)	Anti-mask output contact	30 VDC / 100 mA	Anti-mask	0 up to approx 0.2 m clearance	Real time signal evaluation	by ultrasound and active infrared	Range	10 m wide angle	Supply voltage	8 ~ 16 VDC (typical)	Alarm output contact rating	30 VDC / 100 mA	Tamper output contact rating	30 VDC / 50 mA	Walk test indicator	LED	Control input	LOW ≤ 1.5 V / HIGH ≥ 3.5 V (walk test/set/unset)	Sensitivity adjustment	4 settings	Walking speed	0.1 ~ 4 m/s	Operating temperature	-20 ~ +55 °C	Housing protection (EN60529)	IP41	Dimensions (W x H x D)	70 x 170 x 63 mm	Weight	0.220 kg	<p><b>UP370T..</b></p>
Current consumption	18 mA (34 mA on alarm)																																
Anti-mask output contact	30 VDC / 100 mA																																
Anti-mask	0 up to approx 0.2 m clearance																																
Real time signal evaluation	by ultrasound and active infrared																																
Range	10 m wide angle																																
Supply voltage	8 ~ 16 VDC (typical)																																
Alarm output contact rating	30 VDC / 100 mA																																
Tamper output contact rating	30 VDC / 50 mA																																
Walk test indicator	LED																																
Control input	LOW ≤ 1.5 V / HIGH ≥ 3.5 V (walk test/set/unset)																																
Sensitivity adjustment	4 settings																																
Walking speed	0.1 ~ 4 m/s																																
Operating temperature	-20 ~ +55 °C																																
Housing protection (EN60529)	IP41																																
Dimensions (W x H x D)	70 x 170 x 63 mm																																
Weight	0.220 kg																																
<p><b>UP370T</b></p> <p><b>Matchtec PIR/US detector with antimask, 10 m wide angle</b></p> <p>As UP370T.. for technical details.</p> <table border="0"> <tr> <td>Data sheet</td> <td>007806</td> </tr> </table>	Data sheet	007806	<p><b>BPZ:5199990001</b></p>																														
Data sheet	007806																																
<p><b>UP370TLSN</b></p> <p><b>Matchtec PIR/US detector with antimask, 10 m wide angle</b></p> <p>As UP370T.. for technical details, but compatible with LSN gateway SAG61 (for Sintony 410 only)</p>	<p><b>BPZ:5397880001</b></p>																																
<p><b>IRMF20</b></p>  <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> <table border="0"> <tr> <td>Packing unit</td> <td>10 pieces per package</td> </tr> <tr> <td>Weight</td> <td>0.075 kg</td> </tr> </table>	Packing unit	10 pieces per package	Weight	0.075 kg	<p><b>BPZ:5209200001</b></p>																												
Packing unit	10 pieces per package																																
Weight	0.075 kg																																
<p><b>IRMC1</b></p>  <p><b>Short-range masking clip, 6 x 6 m wide angle</b></p> <p>Suitable for IR200 and UP370. The IRMC1 reduces the coverage area to 6 x 6 m and is recommended to be used in rooms smaller than that size, together with the wide angle mirror.</p> <table border="0"> <tr> <td>Packing unit</td> <td>10 pieces per package</td> </tr> <tr> <td>Weight</td> <td>0.125 kg</td> </tr> </table>	Packing unit	10 pieces per package	Weight	0.125 kg	<p><b>BPZ:5209170001</b></p>																												
Packing unit	10 pieces per package																																
Weight	0.125 kg																																



## Intrusion Detectors

### Internal Motion Detectors

### PIR / Optical Motion Detectors

Type	Order No.																																		
<p><b>Eyetec IRO840T</b></p>  <p><b>Dual motion detector with antimask, 15 m wide angle</b></p> <p>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 enables Eyetec to meet stringent EN50131-Grade 4 requirements.</p> <table border="0"> <tr><td>Range</td><td>15 m</td></tr> <tr><td>Supply voltage</td><td>8 ~ 16 VDC (typical)</td></tr> <tr><td>Current consumption</td><td>18 mA (24 mA on alarm)</td></tr> <tr><td>Alarm output relay contact</td><td>30 VDC / 100 mA</td></tr> <tr><td>Alarm holding time</td><td>2 ~ 3 s</td></tr> <tr><td>Tamper contact</td><td>30 VDC / 100 mA</td></tr> <tr><td>Anti-mask output contact</td><td>30 VDC / 100 mA</td></tr> <tr><td>Control input</td><td>LOW &lt; 1.5 V / HIGH &gt; 3.5 V</td></tr> <tr><td>Walking speed</td><td>0.1 ~ 4 m/s</td></tr> <tr><td>Signal evaluation</td><td>Sensor Fusion</td></tr> <tr><td>Operating temperature</td><td>-10 ~ +55 °C</td></tr> <tr><td>Storage temperature</td><td>- 20 + 60°C</td></tr> <tr><td>Dimensions (W x H x D)</td><td>170 x 70 x 80 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>0.230 kg</td></tr> <tr><td>Data sheet</td><td>008432</td></tr> </table>	Range	15 m	Supply voltage	8 ~ 16 VDC (typical)	Current consumption	18 mA (24 mA on alarm)	Alarm output relay contact	30 VDC / 100 mA	Alarm holding time	2 ~ 3 s	Tamper contact	30 VDC / 100 mA	Anti-mask output contact	30 VDC / 100 mA	Control input	LOW < 1.5 V / HIGH > 3.5 V	Walking speed	0.1 ~ 4 m/s	Signal evaluation	Sensor Fusion	Operating temperature	-10 ~ +55 °C	Storage temperature	- 20 + 60°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	Weight	0.230 kg	Data sheet	008432	<p><b>A5Q00003034</b></p>
Range	15 m																																		
Supply voltage	8 ~ 16 VDC (typical)																																		
Current consumption	18 mA (24 mA on alarm)																																		
Alarm output relay contact	30 VDC / 100 mA																																		
Alarm holding time	2 ~ 3 s																																		
Tamper contact	30 VDC / 100 mA																																		
Anti-mask output contact	30 VDC / 100 mA																																		
Control input	LOW < 1.5 V / HIGH > 3.5 V																																		
Walking speed	0.1 ~ 4 m/s																																		
Signal evaluation	Sensor Fusion																																		
Operating temperature	-10 ~ +55 °C																																		
Storage temperature	- 20 + 60°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																																		
Weight	0.230 kg																																		
Data sheet	008432																																		
<p><b>IRO ComTool</b></p> <p><b>Accessories set IRO ComTool</b></p> <p>With the IRO ComTool 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.</p> <p>Required memory on hard disk: approx. 25MB          Operating system: Windows 95 / 98 / 2000 / NT 4.0 / XP          Computer: Pentium 166MHz or faster, with at minimum 40MB RAM</p>	<p><b>A5Q00004266</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. 15 m curtain for the IRO840T. 30 m curtain for IR270 and IRM270.</p> <table border="0"> <tr><td>Packing unit</td><td>4 pieces per package</td></tr> <tr><td>Weight</td><td>0.055 kg</td></tr> </table>	Packing unit	4 pieces per package	Weight	0.055 kg	<p><b>BPZ:5717330001</b></p>																														
Packing unit	4 pieces per package																																		
Weight	0.055 kg																																		
<p><b>IRUM20</b></p>  <p><b>Wall mount bracket</b></p> <p>With the IRUM20, the detectors can be swivelled into special positions for wall mounting applications.</p> <table border="0"> <tr><td>Angle range adjustment</td><td>+10 ~ -15° (vertical) +45 ~ -45° (horizontal)</td></tr> <tr><td>Weight</td><td>0.044 kg</td></tr> </table>	Angle range adjustment	+10 ~ -15° (vertical) +45 ~ -45° (horizontal)	Weight	0.044 kg	<p><b>BPZ:5622470001</b></p>																														
Angle range adjustment	+10 ~ -15° (vertical) +45 ~ -45° (horizontal)																																		
Weight	0.044 kg																																		





# Intrusion Detectors


## External Motion Detectors


### Product Overview





	Application	Lens and coverage	Add. installation help	Heating
--	-------------	-------------------	------------------------	---------

#### PIR motion detectors


IS39x 	<ul style="list-style-type: none"> <li>Private premises</li> <li>Industrial sites</li> <li>Government facilities</li> <li>Millitary camps</li> </ul>	<ul style="list-style-type: none"> <li>Mirror</li> <li>21 m volume</li> <li>50 m curtain</li> </ul>	<ul style="list-style-type: none"> <li>Software</li> </ul>	<ul style="list-style-type: none"> <li>No</li> </ul>
--	--	---	--	--


IS402 	<ul style="list-style-type: none"> <li>Long window or door fronts</li> <li>Private grounds</li> <li>Industrial sites</li> <li>Government facilities</li> </ul>	<ul style="list-style-type: none"> <li>Mirror</li> <li>100 m curtain</li> </ul>	<ul style="list-style-type: none"> <li>Tester</li> <li>Telescope</li> <li>Sounder</li> </ul>	<ul style="list-style-type: none"> <li>No</li> </ul>
--	--	---	--	--

IS404 	<ul style="list-style-type: none"> <li>Long window or door fronts</li> <li>Private grounds</li> <li>Industrial sites</li> <li>Government facilities</li> </ul>	<ul style="list-style-type: none"> <li>Mirror</li> <li>100 m curtain</li> </ul>	<ul style="list-style-type: none"> <li>Software</li> </ul>	<ul style="list-style-type: none"> <li>Yes</li> </ul>
--	--	---	--	---

IS412 	<ul style="list-style-type: none"> <li>Long window or door fronts</li> <li>Private grounds</li> <li>Industrial sites</li> <li>Government facilities</li> </ul>	<ul style="list-style-type: none"> <li>Mirror</li> <li>150 m curtain</li> </ul>	<ul style="list-style-type: none"> <li>Tester</li> <li>Telescope</li> <li>Sounder</li> </ul>	<ul style="list-style-type: none"> <li>Yes</li> </ul>
--	--	---	--	---

#### Active infrared barriers


IS43x 	<ul style="list-style-type: none"> <li>Long window or door fronts</li> <li>Private premises</li> <li>Industrial sites</li> </ul>	<ul style="list-style-type: none"> <li>Twin beam</li> <li>Up to 120 m</li> </ul>	<ul style="list-style-type: none"> <li>Cover mask and adjustment tools included</li> </ul>	<ul style="list-style-type: none"> <li>No</li> </ul>
--	--	--	--	--

IS44x 	<ul style="list-style-type: none"> <li>Long window or door fronts</li> <li>Private premises</li> <li>Industrial sites</li> </ul>	<ul style="list-style-type: none"> <li>Twin beam</li> <li>Up to 200 m</li> </ul>	<ul style="list-style-type: none"> <li>Cover mask and adjustment tools included</li> </ul>	<ul style="list-style-type: none"> <li>Yes</li> </ul>
--	--	--	--	---

# Intrusion Detectors

## External Motion Detectors

### PIR External Motion Detectors




Type	Order No.																				
IS390..	IS390..																				
	<p><b>Outdoor PIR detector</b></p> <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.</p> <table border="0"> <tr> <td>Supply voltage</td> <td>10.5 ~ 28 VDC (12V nominal)</td> </tr> <tr> <td>Current consumption</td> <td>20 mA</td> </tr> <tr> <td>Alarm output contact rating</td> <td>28 VDC / 500 mA</td> </tr> <tr> <td>Tamper output contact rating</td> <td>30 VDC / 100 mA</td> </tr> <tr> <td>Walk test input</td> <td>LOW ≤ 1.5 V / HIGH ≥ 3.5 V (set/unset)</td> </tr> <tr> <td>ATD Adapt. Treshold Decoding</td> <td>activated / deactivated</td> </tr> <tr> <td>Sensitivity</td> <td>100 / 75 / 40 %</td> </tr> <tr> <td>Housing protection (EN60529)</td> <td>IP64</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>100 x 128 x 247 mm</td> </tr> <tr> <td>Weight</td> <td>0.880 kg</td> </tr> </table>	Supply voltage	10.5 ~ 28 VDC (12V nominal)	Current consumption	20 mA	Alarm output contact rating	28 VDC / 500 mA	Tamper output contact rating	30 VDC / 100 mA	Walk test input	LOW ≤ 1.5 V / HIGH ≥ 3.5 V (set/unset)	ATD Adapt. Treshold Decoding	activated / deactivated	Sensitivity	100 / 75 / 40 %	Housing protection (EN60529)	IP64	Dimensions (W x H x D)	100 x 128 x 247 mm	Weight	0.880 kg
Supply voltage	10.5 ~ 28 VDC (12V nominal)																				
Current consumption	20 mA																				
Alarm output contact rating	28 VDC / 500 mA																				
Tamper output contact rating	30 VDC / 100 mA																				
Walk test input	LOW ≤ 1.5 V / HIGH ≥ 3.5 V (set/unset)																				
ATD Adapt. Treshold Decoding	activated / deactivated																				
Sensitivity	100 / 75 / 40 %																				
Housing protection (EN60529)	IP64																				
Dimensions (W x H x D)	100 x 128 x 247 mm																				
Weight	0.880 kg																				
IS390	BPZ:5398270001																				
<p><b>Outdoor PIR detector, volumetric 21 m</b></p> <p>As IS390.. for technical details, but with the following differences:</p> <table border="0"> <tr> <td>Range</td> <td>21 m wide angle</td> </tr> <tr> <td>Pulse count</td> <td>on/off</td> </tr> <tr> <td>Operating temperature</td> <td>-20 ~ +60 °C</td> </tr> <tr> <td>Data sheet</td> <td>007854</td> </tr> </table>	Range	21 m wide angle	Pulse count	on/off	Operating temperature	-20 ~ +60 °C	Data sheet	007854													
Range	21 m wide angle																				
Pulse count	on/off																				
Operating temperature	-20 ~ +60 °C																				
Data sheet	007854																				
IS390H	A5Q00005094																				
<p><b>Outdoor PIR detector, volumetric 27 m with heating</b></p> <p>As IS390.. for technical details, but with the following differences:</p> <table border="0"> <tr> <td>Range</td> <td>27 m wide angle</td> </tr> <tr> <td>Operating temperature</td> <td>-40 ~ +60 °C</td> </tr> <tr> <td>Silicon wafer window</td> <td>yes</td> </tr> <tr> <td>Heated mirror optics</td> <td>yes</td> </tr> <tr> <td>Data sheet</td> <td>007854</td> </tr> </table>	Range	27 m wide angle	Operating temperature	-40 ~ +60 °C	Silicon wafer window	yes	Heated mirror optics	yes	Data sheet	007854											
Range	27 m wide angle																				
Operating temperature	-40 ~ +60 °C																				
Silicon wafer window	yes																				
Heated mirror optics	yes																				
Data sheet	007854																				
IS392	BPZ:5398300001																				
<p><b>Outdoor PIR detector, curtain 50 m</b></p> <p>As IS390.. for technical details, but with the following differences:</p> <table border="0"> <tr> <td>Range</td> <td>50 m curtain</td> </tr> <tr> <td>Pulse count</td> <td>not available</td> </tr> <tr> <td>Silicon wafer window</td> <td>yes</td> </tr> <tr> <td>Heated mirror optics</td> <td>yes</td> </tr> <tr> <td>Data sheet</td> <td>007868</td> </tr> </table>	Range	50 m curtain	Pulse count	not available	Silicon wafer window	yes	Heated mirror optics	yes	Data sheet	007868											
Range	50 m curtain																				
Pulse count	not available																				
Silicon wafer window	yes																				
Heated mirror optics	yes																				
Data sheet	007868																				
IS392H	A5Q00005095																				
<p><b>Outdoor PIR detector, 60 m curtain with heating</b></p> <p>As IS390.. for technical details, but with the following differences:</p> <table border="0"> <tr> <td>Range</td> <td>60 m curtain</td> </tr> <tr> <td>Operating temperature</td> <td>-40 ~ +60°C</td> </tr> <tr> <td>Silicon wafer window</td> <td>yes</td> </tr> <tr> <td>Heated mirror optics</td> <td>yes</td> </tr> </table>	Range	60 m curtain	Operating temperature	-40 ~ +60°C	Silicon wafer window	yes	Heated mirror optics	yes													
Range	60 m curtain																				
Operating temperature	-40 ~ +60°C																				
Silicon wafer window	yes																				
Heated mirror optics	yes																				

# Intrusion Detectors

## External Motion Detectors

### PIR External Motion Detectors








Type	Order No.																				
<p><b>IS402</b></p>  <p><b>Outdoor PIR detector, curtain 100 m</b></p> <p>The passive infrared barrier type IS402 is used in intrusion detection systems to build a combined perimeter monitoring facility and for the use as motion detector to activate video surveillance systems.</p> <table border="0"> <tr><td>Curtain shape</td><td>max. 100 m nominal</td></tr> <tr><td>Supply voltage</td><td>10.5 ~ 28 VDC (typical)</td></tr> <tr><td>Current consumption</td><td>22 mA</td></tr> <tr><td>Alarm output NC contact</td><td>28 VDC / 500 mA</td></tr> <tr><td>Tamper output / load</td><td>48 VDC / max. 250 mA</td></tr> <tr><td>Operating temperature</td><td>-20 ~ +60°C</td></tr> <tr><td>Housing protection (IEC529)</td><td>IP53</td></tr> <tr><td>Dimensions (Ø x D)</td><td>90 x 242 mm</td></tr> <tr><td>Weight</td><td>1.400 kg</td></tr> <tr><td>Data sheet</td><td>008113</td></tr> </table>	Curtain shape	max. 100 m nominal	Supply voltage	10.5 ~ 28 VDC (typical)	Current consumption	22 mA	Alarm output NC contact	28 VDC / 500 mA	Tamper output / load	48 VDC / max. 250 mA	Operating temperature	-20 ~ +60°C	Housing protection (IEC529)	IP53	Dimensions (Ø x D)	90 x 242 mm	Weight	1.400 kg	Data sheet	008113	<p><b>BPZ:4872250001</b></p>
Curtain shape	max. 100 m nominal																				
Supply voltage	10.5 ~ 28 VDC (typical)																				
Current consumption	22 mA																				
Alarm output NC contact	28 VDC / 500 mA																				
Tamper output / load	48 VDC / max. 250 mA																				
Operating temperature	-20 ~ +60°C																				
Housing protection (IEC529)	IP53																				
Dimensions (Ø x D)	90 x 242 mm																				
Weight	1.400 kg																				
Data sheet	008113																				
<p><b>IS404..</b></p>  <p><b>Outdoor PIR detector, curtain 120 m</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.</p> <table border="0"> <tr><td>Curtain shape</td><td>120 m wide angle</td></tr> <tr><td>Current consumption</td><td>20 mA</td></tr> <tr><td>Alarm output SPDT contact</td><td>28 VDC / 250 mA</td></tr> <tr><td>Dimensions (Ø x D)</td><td>100 x 128 x 247 mm</td></tr> <tr><td>Weight</td><td>1.115 kg</td></tr> </table>	Curtain shape	120 m wide angle	Current consumption	20 mA	Alarm output SPDT contact	28 VDC / 250 mA	Dimensions (Ø x D)	100 x 128 x 247 mm	Weight	1.115 kg	<p><b>IS404..</b></p>										
Curtain shape	120 m wide angle																				
Current consumption	20 mA																				
Alarm output SPDT contact	28 VDC / 250 mA																				
Dimensions (Ø x D)	100 x 128 x 247 mm																				
Weight	1.115 kg																				
<p><b>IS404</b></p> <p><b>Outdoor PIR detector, curtain 120 m</b></p> <p>As IS404.. for technical details, but with the following differences:</p> <table border="0"> <tr><td>Operating temperature</td><td>-20 ~ +60 °C</td></tr> <tr><td>Data sheet</td><td>007869</td></tr> </table>	Operating temperature	-20 ~ +60 °C	Data sheet	007869	<p><b>A5Q00005097</b></p>																
Operating temperature	-20 ~ +60 °C																				
Data sheet	007869																				
<p><b>IS404H</b></p> <p><b>Outdoor PIR detector, curtain 150 m with heating</b></p> <p>As IS404.. for technical details, but with the following differences:</p> <table border="0"> <tr><td>Range</td><td>150 m wide angle</td></tr> <tr><td>Operating temperature</td><td>-40 ~ +60 °C</td></tr> <tr><td>Silicon wafer window</td><td>yes</td></tr> <tr><td>Heated mirror optics</td><td>yes</td></tr> <tr><td>Data sheet</td><td>007869</td></tr> </table>	Range	150 m wide angle	Operating temperature	-40 ~ +60 °C	Silicon wafer window	yes	Heated mirror optics	yes	Data sheet	007869	<p><b>A5Q00005096</b></p>										
Range	150 m wide angle																				
Operating temperature	-40 ~ +60 °C																				
Silicon wafer window	yes																				
Heated mirror optics	yes																				
Data sheet	007869																				
<p><b>IS412</b></p>  <p><b>Outdoor PIR detector, curtain shape 150 m</b></p> <p>The passive infrared barrier type IS412 is used in intrusion detection systems to build a combined perimeter monitoring facility and for the use as motion detector to activate video surveillance systems.</p> <table border="0"> <tr><td>Curtain shape</td><td>max. 150 m nominal</td></tr> <tr><td>Current consumption</td><td>22 mA</td></tr> <tr><td>Alarm output SPDT contact</td><td>28 VDC / 250 mA</td></tr> <tr><td>Operating temperature</td><td>-40 ~ +60°C</td></tr> <tr><td>Dimensions (Ø x D)</td><td>90 x 330 mm</td></tr> <tr><td>Weight</td><td>1.345 kg</td></tr> <tr><td>Data sheet</td><td>008118</td></tr> </table>	Curtain shape	max. 150 m nominal	Current consumption	22 mA	Alarm output SPDT contact	28 VDC / 250 mA	Operating temperature	-40 ~ +60°C	Dimensions (Ø x D)	90 x 330 mm	Weight	1.345 kg	Data sheet	008118	<p><b>BPZ:4455000001</b></p>						
Curtain shape	max. 150 m nominal																				
Current consumption	22 mA																				
Alarm output SPDT contact	28 VDC / 250 mA																				
Operating temperature	-40 ~ +60°C																				
Dimensions (Ø x D)	90 x 330 mm																				
Weight	1.345 kg																				
Data sheet	008118																				

## Intrusion Detectors


### External Motion Detectors

#### PIR External Motion Detectors

Type	Order No.	
<b>ISIF485</b> 	<b>Installation module and software</b> This installation software is for alignment and signal check during setup and maintenance. Suitable for IS390/ IS392/ IS404.  Weight 0.600 kg	<b>BPZ:5566620001</b>
<b>ISIT44</b> 	<b>Installation tester</b> The installation tester ISIT44 is used for aligning, setting up and fault finding and is recommended for all installations using IS402 and IS412.  Weight 0.600 kg	<b>BPZ:4769930001</b>
<b>ISTC41</b> 	<b>Installation telescope</b> The installation telescope ISTC41 is used for easy alignment of the surveillance zone and to set the sensitivity at the point of installation.  Weight 0.320 kg	<b>BPZ:4455260001</b>
<b>ISM41-1</b> 	<b>Mounting flange for pole mounting</b> This clamp is used for masts with a diameter up to 100 mm.  Weight 0.730 kg	<b>BPZ:4455390001</b>
<b>ISM41-2</b> 	<b>Universal mounting flange</b> This clamp can be fixed anywhere by means of two holes in the pivot plate.  Weight 0.400 kg	<b>BPZ:4455420001</b>

Intrusion Detectors  
 External Motion Detectors  
 Active IR Barriers



Type	Order No.																						
<p><b>IS433..</b></p>  <p><b>Intelligent twin active infrared beams, outdoor 20 m</b></p> <p>Intelligent active infrared beams especially designed for perimeter protection. The synchronized and intelligent "twin" beams reinforce each other improving both range and stability in severe weather conditions. Use BP -60TE when pole mounted.</p> <table border="0"> <tr> <td>Alarm output contact rating</td> <td>opens on alarm 30 V (AC/DC) &lt;0.5 A</td> </tr> <tr> <td>Tamper output contact rating</td> <td>opens on alarm 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 double modulation</td> </tr> <tr> <td>Frequency</td> <td>4 separate choices of frequencies</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>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 30 V (AC/DC) <0.5 A	Tamper output contact rating	opens on alarm 30 V (AC/DC) <0.5 A	Detection system	Simultaneous breaking of 2 beams	Infrared beam	LED pulsed beam double modulation	Frequency	4 separate choices of frequencies	Response time	50 ~ 700 msec. (variable)	Vertical beam adjustment	+10 ~ -10°	Horizontal beam adjustment	+90 ~ -90°	Operating temperature	-25 ~ +60°C	Dimensions (W x H x D)	73 x 170 x 71.5 mm	Weight	0.780 kg	<p><b>IS433..</b></p>
Alarm output contact rating	opens on alarm 30 V (AC/DC) <0.5 A																						
Tamper output contact rating	opens on alarm 30 V (AC/DC) <0.5 A																						
Detection system	Simultaneous breaking of 2 beams																						
Infrared beam	LED pulsed beam double modulation																						
Frequency	4 separate choices of frequencies																						
Response time	50 ~ 700 msec. (variable)																						
Vertical beam adjustment	+10 ~ -10°																						
Horizontal beam adjustment	+90 ~ -90°																						
Operating temperature	-25 ~ +60°C																						
Dimensions (W x H x D)	73 x 170 x 71.5 mm																						
Weight	0.780 kg																						
<p><b>IS433</b></p> <p><b>Intelligent twin active infrared beams, outdoor 20 m</b></p> <p>As IS433.. for technical details, but with the following differences:</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 (max)</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 (max)	Data sheet	008139	<p><b>BPZ:5299760001</b></p>																
Protection distance	outdoor 20 m, indoor 40 m																						
Supply voltage	12 ~ 30 VDC / 55 mA (max)																						
Data sheet	008139																						
<p><b>IS434</b></p> <p><b>Intelligent twin active infrared beams, outdoor 40 m</b></p> <p>As IS433.. for technical details, but with the following differences:</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 (max)</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 (max)	Data sheet	008139	<p><b>BPZ:5299630001</b></p>																
Protection distance	outdoor 40 m, indoor 80 m																						
Supply voltage	12 ~ 30 VDC / 75 mA (max)																						
Data sheet	008139																						
<p><b>IS435</b></p> <p><b>Intelligent twin active infrared beams, outdoor 60 m</b></p> <p>As IS433.. for technical details, but with the following differences:</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 (max)</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 (max)	Data sheet	008139	<p><b>BPZ:5299050001</b></p>																
Protection distance	outdoor 60 m, indoor 120 m																						
Supply voltage	12 ~ 30 VDC / 80 mA (max)																						
Data sheet	008139																						
<p><b>BP-60TE</b></p>  <p><b>Pole mounting cover for beams</b></p> <p>Special cover designed to weatherproof IS433, IS434 and IS435 beams when mounted on round poles outside.</p> <table border="0"> <tr> <td>Packing unit</td> <td>1 pair per carton</td> </tr> <tr> <td>Pole sizes</td> <td>Ø 38 ~ 45 mm</td> </tr> <tr> <td>Weight</td> <td>0.400 kg</td> </tr> </table>	Packing unit	1 pair per carton	Pole sizes	Ø 38 ~ 45 mm	Weight	0.400 kg	<p><b>BPZ:5386370001</b></p>																
Packing unit	1 pair per carton																						
Pole sizes	Ø 38 ~ 45 mm																						
Weight	0.400 kg																						

# Intrusion Detectors

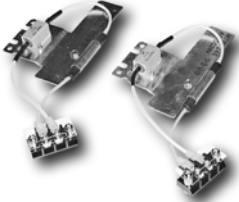
## External Motion Detectors

### Active IR Barriers

Type	Order No.																						
IS443..	IS443..																						
	<p><b>Intelligent quad active infrared outdoor beams, 50 m</b></p> <p>Intelligent active infrared beams especially designed for perimeter protection. The synchronized and sophisticated "quad" beams reinforce each other to improve both range and stability in severe weather conditions. Use BP-200F when pole mounted.</p> <table border="0"> <tr> <td>Alarm output contact rating</td> <td>opens on alarm 30 V (AC/DC) &lt;1 A</td> </tr> <tr> <td>Tamper output contact rating</td> <td>opens on alarm 30 V (AC/DC) &lt;0.1 A</td> </tr> <tr> <td>Detection system</td> <td>simultaneous breaking of 4 beams</td> </tr> <tr> <td>Infrared beam</td> <td>LED pulsed beam double modulation</td> </tr> <tr> <td>Frequency</td> <td>4 separate choices of frequencies</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>Operating temperature</td> <td>-25 ~ +60°C</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>104 x 390 x 98 mm</td> </tr> <tr> <td>Weight</td> <td>2.500 kg</td> </tr> </table>	Alarm output contact rating	opens on alarm 30 V (AC/DC) <1 A	Tamper output contact rating	opens on alarm 30 V (AC/DC) <0.1 A	Detection system	simultaneous breaking of 4 beams	Infrared beam	LED pulsed beam double modulation	Frequency	4 separate choices of frequencies	Response time	50 ~ 700 msec. (variable)	Vertical beam adjustment	+10 ~ -10°	Horizontal beam adjustment	+90 ~ -90°	Operating temperature	-25 ~ +60°C	Dimensions (W x H x D)	104 x 390 x 98 mm	Weight	2.500 kg
Alarm output contact rating	opens on alarm 30 V (AC/DC) <1 A																						
Tamper output contact rating	opens on alarm 30 V (AC/DC) <0.1 A																						
Detection system	simultaneous breaking of 4 beams																						
Infrared beam	LED pulsed beam double modulation																						
Frequency	4 separate choices of frequencies																						
Response time	50 ~ 700 msec. (variable)																						
Vertical beam adjustment	+10 ~ -10°																						
Horizontal beam adjustment	+90 ~ -90°																						
Operating temperature	-25 ~ +60°C																						
Dimensions (W x H x D)	104 x 390 x 98 mm																						
Weight	2.500 kg																						
IS443	BPZ:5299920001																						
	<p><b>Intelligent quad active infrared outdoor beams, 50 m</b></p> <p>As IS443.. for technical details, but with the following differences:</p> <table border="0"> <tr> <td>Protection distance</td> <td>outdoor 50 m</td> </tr> <tr> <td>Supply voltage</td> <td>12 ~ 30 VDC / 95 mA (max)</td> </tr> <tr> <td>Data sheet</td> <td>008138</td> </tr> </table>	Protection distance	outdoor 50 m	Supply voltage	12 ~ 30 VDC / 95 mA (max)	Data sheet	008138																
Protection distance	outdoor 50 m																						
Supply voltage	12 ~ 30 VDC / 95 mA (max)																						
Data sheet	008138																						
IS444	BPZ:5299890001																						
	<p><b>Intelligent quad active infrared outdoor beams, 100 m</b></p> <p>As IS443.. for technical details, but with the following differences:</p> <table border="0"> <tr> <td>Protection distance</td> <td>outdoor 100 m</td> </tr> <tr> <td>Power supply</td> <td>12 ~ 30 VDC / 105 mA (max)</td> </tr> </table>	Protection distance	outdoor 100 m	Power supply	12 ~ 30 VDC / 105 mA (max)																		
Protection distance	outdoor 100 m																						
Power supply	12 ~ 30 VDC / 105 mA (max)																						
IS445	BPZ:5299500001																						
	<p><b>Intelligent quad active infrared outdoor beams, 200 m</b></p> <p>As IS443.. for technical details, but with the following differences:</p> <table border="0"> <tr> <td>Protection distance</td> <td>outdoor 200 m</td> </tr> <tr> <td>Power supply</td> <td>12 ~ 30 VDC / 120 mA (max)</td> </tr> </table>	Protection distance	outdoor 200 m	Power supply	12 ~ 30 VDC / 120 mA (max)																		
Protection distance	outdoor 200 m																						
Power supply	12 ~ 30 VDC / 120 mA (max)																						
BP-200F	BPZ:5386240001																						
	<p><b>Pole mounting cover for IS443, IS444 and IS445 beams</b></p> <p>Special cover designed to weatherproof IS433, IS434 and IS435 beams when mounted on round poles outside.</p> <table border="0"> <tr> <td>Packing unit</td> <td>1 pair per carton</td> </tr> <tr> <td>Pole sizes</td> <td>Ø 38 ~ 45 mm</td> </tr> <tr> <td>Weight</td> <td>0.615 kg</td> </tr> </table>	Packing unit	1 pair per carton	Pole sizes	Ø 38 ~ 45 mm	Weight	0.615 kg																
Packing unit	1 pair per carton																						
Pole sizes	Ø 38 ~ 45 mm																						
Weight	0.615 kg																						

Intrusion Detectors  
External Motion Detectors  
Active IR Barriers






Type	Order No.
<p>HTF-24</p> <p>Heater for IS443, IS444 and IS445 beams</p>  <p>Packing unit: 1 pair per carton Power supply: 24 VDC / 860 mA (typical) Weight: 0.082 kg</p>	BPZ:5386110001



Intrusion Detectors  
Seismic Detectors  
Product Overview





	Application	Coverage area for all tools	Sensitivity adjustment	Coverage area for mechanical tools only
GM730 	<ul style="list-style-type: none"> <li>• Safes / Night-safes</li> <li>• ATM's</li> <li>• Strong-rooms</li> <li>• Doors</li> </ul>	<ul style="list-style-type: none"> <li>• 4 m range</li> <li>• 50 m<sup>2</sup></li> </ul>	<ul style="list-style-type: none"> <li>• 3 levels</li> <li>• with software any</li> </ul>	<ul style="list-style-type: none"> <li>• 7 m range</li> <li>• 154 m<sup>2</sup></li> </ul>
GM760 	<ul style="list-style-type: none"> <li>• Safes / Night-safes</li> <li>• ATM's</li> <li>• Strong-rooms and doors</li> <li>• "Modular and LWS"</li> </ul>	<ul style="list-style-type: none"> <li>• 5 m range</li> <li>• 50 m<sup>2</sup></li> </ul>	<ul style="list-style-type: none"> <li>• 3 levels</li> <li>• with software any</li> </ul>	<ul style="list-style-type: none"> <li>• 9 m range</li> <li>• 255 m<sup>2</sup></li> </ul>
GM770 	<ul style="list-style-type: none"> <li>• Safes / Night-safes</li> <li>• ATM's</li> <li>• Strong-rooms and doors</li> <li>• "Modular and LWS"</li> </ul>	<ul style="list-style-type: none"> <li>• 5 m range</li> <li>• 50 m<sup>2</sup></li> </ul>	<ul style="list-style-type: none"> <li>• 3 levels</li> <li>• with software any</li> </ul>	<ul style="list-style-type: none"> <li>• 9 m range</li> <li>• 255 m<sup>2</sup></li> </ul>

## Intrusion Detectors

### Seismic Detectors




### Seismic Detectors

Type		Order No.																										
<b>GM730</b>	<b>Seismic detector with low profile design</b>  <p>Universal application for round-the-clock monitoring of safes, night deposits and automatic cash dispensers. Special low-profile design makes the GM730 ideal for use where best detection performance is required but space is limited.</p> <table><tr><td>Coverage area for all tools</td><td>range 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>Mounting and function test</td><td>LOW ≤ 1.5 VDC / HIGH ≥ 3.5 VDC</td></tr><tr><td>Function test duration</td><td>≤ 3 s</td></tr><tr><td>DIP switch settings</td><td>3 levels</td></tr><tr><td>Via Sens Tool PC software</td><td>freely programmable</td></tr><tr><td>Operating temperature</td><td>- 40 + 70 °C</td></tr><tr><td>Housing protection (EN60529)</td><td>IP435</td></tr><tr><td>Dimensions (W x H x D)</td><td>89 x 89 x 22 mm</td></tr><tr><td>Weight</td><td>0.330 kg</td></tr><tr><td>Data sheet</td><td>008263</td></tr></table>	Coverage area for all tools	range 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	Mounting and function test	LOW ≤ 1.5 VDC / HIGH ≥ 3.5 VDC	Function test duration	≤ 3 s	DIP switch settings	3 levels	Via Sens Tool PC software	freely programmable	Operating temperature	- 40 + 70 °C	Housing protection (EN60529)	IP435	Dimensions (W x H x D)	89 x 89 x 22 mm	Weight	0.330 kg	Data sheet	008263	<b>A5Q00005841</b>
Coverage area for all tools	range 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																											
Mounting and function test	LOW ≤ 1.5 VDC / HIGH ≥ 3.5 VDC																											
Function test duration	≤ 3 s																											
DIP switch settings	3 levels																											
Via Sens Tool PC software	freely programmable																											
Operating temperature	- 40 + 70 °C																											
Housing protection (EN60529)	IP435																											
Dimensions (W x H x D)	89 x 89 x 22 mm																											
Weight	0.330 kg																											
Data sheet	008263																											
<b>GM760</b>	<b>Seismic detector for multi-purpose use</b>  <p>Universal application for round-the-clock monitoring of safes, cash dispensers, night deposits, strong-room and modular vaults made of steel, concrete and armoured or synthetic composites. Specially designed for best detection performance and maximum immunity to environmental influences.</p> <table><tr><td>Coverage area for all tools</td><td>range 5 m / 80 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>Mounting and function test</td><td>LOW ≤ 1.5 VDC / HIGH ≥ 3.5 VDC</td></tr><tr><td>Function test duration</td><td>≤ 3 s</td></tr><tr><td>DIP switch settings</td><td>3 levels</td></tr><tr><td>Via Sens Tool PC software</td><td>freely programmable</td></tr><tr><td>Operating temperature</td><td>- 40 + 70 °C</td></tr><tr><td>Housing protection (EN60529)</td><td>IP435</td></tr><tr><td>Dimensions (W x H x D)</td><td>89 x 89 x 22 mm</td></tr><tr><td>Weight</td><td>0.330 kg</td></tr><tr><td>Data sheet</td><td>008267</td></tr></table>	Coverage area for all tools	range 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	Mounting and function test	LOW ≤ 1.5 VDC / HIGH ≥ 3.5 VDC	Function test duration	≤ 3 s	DIP switch settings	3 levels	Via Sens Tool PC software	freely programmable	Operating temperature	- 40 + 70 °C	Housing protection (EN60529)	IP435	Dimensions (W x H x D)	89 x 89 x 22 mm	Weight	0.330 kg	Data sheet	008267	<b>A5Q00005840</b>
Coverage area for all tools	range 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																											
Mounting and function test	LOW ≤ 1.5 VDC / HIGH ≥ 3.5 VDC																											
Function test duration	≤ 3 s																											
DIP switch settings	3 levels																											
Via Sens Tool PC software	freely programmable																											
Operating temperature	- 40 + 70 °C																											
Housing protection (EN60529)	IP435																											
Dimensions (W x H x D)	89 x 89 x 22 mm																											
Weight	0.330 kg																											
Data sheet	008267																											

Intrusion Detectors  
Seismic Detectors  
Seismic Detectors






3

Type	Order No.																										
<p><b>GM770</b></p>  <p><b>Seismic detector for intelligent multi-purpose use with unique electrical drilling protection</b></p> <p>Universal application for round-the-clock monitoring of safes, cash dispensers, night deposits, strongrooms and modular vaults made of steel, concrete and armoured or synthetic composites. Specially designed for best detection performance and maximum immunity to environmental influences.</p> <table border="0"> <tr> <td>Coverage area for all tools</td> <td>range 5 m / 80 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>Mounting and function test</td> <td>LOW ≤ 1.5 VDC / HIGH ≥ 3.5 VDC</td> </tr> <tr> <td>Function test duration</td> <td>≤ 3 s</td> </tr> <tr> <td>DIP switch settings</td> <td>3 levels</td> </tr> <tr> <td>Via Sens Tool PC software</td> <td>freely programmable</td> </tr> <tr> <td>Operating temperature</td> <td>- 40 + 70 °C</td> </tr> <tr> <td>Housing protection (EN60529)</td> <td>IP435</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>89 x 89 x 22 mm</td> </tr> <tr> <td>Weight</td> <td>0.330 kg</td> </tr> <tr> <td>Data sheet</td> <td>008268</td> </tr> </table>	Coverage area for all tools	range 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	Mounting and function test	LOW ≤ 1.5 VDC / HIGH ≥ 3.5 VDC	Function test duration	≤ 3 s	DIP switch settings	3 levels	Via Sens Tool PC software	freely programmable	Operating temperature	- 40 + 70 °C	Housing protection (EN60529)	IP435	Dimensions (W x H x D)	89 x 89 x 22 mm	Weight	0.330 kg	Data sheet	008268	<p>A5Q00005839</p>
Coverage area for all tools	range 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																										
Mounting and function test	LOW ≤ 1.5 VDC / HIGH ≥ 3.5 VDC																										
Function test duration	≤ 3 s																										
DIP switch settings	3 levels																										
Via Sens Tool PC software	freely programmable																										
Operating temperature	- 40 + 70 °C																										
Housing protection (EN60529)	IP435																										
Dimensions (W x H x D)	89 x 89 x 22 mm																										
Weight	0.330 kg																										
Data sheet	008268																										
<p><b>GM570LSN</b></p>  <p><b>Seismic detector for LSN</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, oxygen lances and attack using explosives. The detector is suited for local security networks (LSN) Gateway SAG61.</p> <table border="0"> <tr> <td>Coverage area for all tools</td> <td>range 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 (EN60529)</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>Weight</td> <td>0.345 kg</td> </tr> </table>	Coverage area for all tools	range 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 (EN60529)	IP43	Dimensions (W x H x D)	89 x 89 x 39.5 mm	Weight	0.345 kg	<p>BPZ:5395000001</p>								
Coverage area for all tools	range 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 (EN60529)	IP43																										
Dimensions (W x H x D)	89 x 89 x 39.5 mm																										
Weight	0.345 kg																										
<p><b>GM580LSN</b></p>  <p><b>Watertight seismic detector</b></p> <p>The GM580LSN is the only watertight seismic detector for the 24h surveillance of strongrooms and doors, safes, night safes, ATMs, etc. 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 border="0"> <tr> <td>Housing protection (EN60529)</td> <td>IP67</td> </tr> <tr> <td>Weight</td> <td>0.460 kg</td> </tr> <tr> <td>Data sheet</td> <td>007640</td> </tr> </table>	Housing protection (EN60529)	IP67	Weight	0.460 kg	Data sheet	007640	<p>A5Q00001640</p>																				
Housing protection (EN60529)	IP67																										
Weight	0.460 kg																										
Data sheet	007640																										

## Intrusion Detectors

### Seismic Detectors

### Seismic Detectors

Type	Order No.																								
<p><b>GMXS5</b></p>  <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>Test range</td> <td>In % of the detection radius of the seismic detector</td> </tr> <tr> <td>GM770</td> <td>100%</td> </tr> <tr> <td>GM730, GM760</td> <td>75%</td> </tr> <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 (EN60529)</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>Weight</td> <td>0.370 kg</td> </tr> <tr> <td>Data sheet</td> <td>008127</td> </tr> </table>	Test range	In % of the detection radius of the seismic detector	GM770	100%	GM730, GM760	75%	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 (EN60529)	IP43	Dimensions (W x H x D)	89 x 89 x 39.5 mm	Weight	0.370 kg	Data sheet	008127	<p><b>BPZ:562700001</b></p>
Test range	In % of the detection radius of the seismic detector																								
GM770	100%																								
GM730, GM760	75%																								
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 (EN60529)	IP43																								
Dimensions (W x H x D)	89 x 89 x 39.5 mm																								
Weight	0.370 kg																								
Data sheet	008127																								
<p><b>GMXS1</b></p>  <p><b>Test transmitter for GM730/ 760/ 770/ 570LSN</b></p> <p>The GMXS1 is used for function and mounting test of the seismic detectors.</p> <table border="0"> <tr> <td>Weight</td> <td>0.020 kg</td> </tr> </table>	Weight	0.020 kg	<p><b>BPZ:4202370001</b></p>																						
Weight	0.020 kg																								
<p><b>YA8</b></p>  <p><b>Alarm indicator panel</b></p> <p>For the storage and display of up to 8 alarm signals (test, tamper and real alarms) with self-monitoring against removal from the system housing. For test transmitter GMXS1.</p>	<p><b>BPZ:2776420001</b></p>																								
<p><b>PZG21</b></p> <p><b>System box 1</b></p> <p>System housing for one GMXA8 unit and one YA8 unit.</p>	<p><b>BPZ:2647070001</b></p>																								
<p><b>GMSW7</b></p> <p><b>GMSW7 SensTool interface and software for GM730/ 760/ 770.</b></p> <p>With the SensTool software operating parameters can individually be set. In addition, actual information such as integrator signals are stored.</p> <table border="0"> <tr> <td>Weight</td> <td>0.128 kg</td> </tr> </table>	Weight	0.128 kg	<p><b>A5Q00006246</b></p>																						
Weight	0.128 kg																								

Intrusion Detectors  
 Seismic Detectors  
 Seismic Detectors






Type	Order No.
<p><b>GMXP0</b></p> <p><b>Mounting plate for seismic detectors</b></p> <p>In the case of uneven or hardened steel plates, weld on mounting plate GMXP0.</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 strongroom doors with exposed keyholes.</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 strongroom doors with exposed keyholes.</p> <p>Weight 0.700 kg</p>	<p>5712410001</p>
<p><b>SPACER/2 mm</b></p> <p><b>2 mm spacer plate for GMXP3/ GMXP3Z</b></p> <p>Spacer for gap between keyhole and GMXP3 flange.</p> <p>Weight 0.010 kg</p>	<p>BPZ:3506110001</p>
<p><b>SPACER/4 mm</b></p> <p><b>4 mm spacer plate for GMXP3/ GMXP3Z</b></p> <p>Spacer for gap between keyhole and GMXP3 flange.</p> <p>Weight 0.020 kg</p>	<p>BPZ:3506240001</p>
<p><b>GMAS6</b></p> <p><b>Fixing device</b></p> <p>The GMAS6 fixing device is used with seismic detectors for the monitoring of safes and strongrooms against attack from thermic and mechanical tools and unauthorized opening 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> 	<p>BPZ:4886060001</p>

## Intrusion Detectors

### Seismic Detectors

### Seismic Detectors

Type		Order No.
<b>GMXB0</b>	<b>Floor box for seismic detectors</b> The GMXB0 is designed for floor installations in concrete.  Max. weight support                      1000 kg Weight    2.085 kg	<b>BPZ:2772020001</b>
		
<b>GMXW0</b>	<b>Wall recess box with cover for seismic detectors</b> The GMXW0 is designed for wall and ceiling installations in concrete.  Weight    1.160 kg	<b>BPZ:2771210001</b>
		
<b>GMXWG0</b>	<b>Watertight housing for seismic detectors</b> With the watertight housing GMXWG0 seismic detectors are protected from environmental influences such as water and dust. The housing can be surface or recess mounted in walls, ceilings and floors both inside or outside buildings.  Weight    1.010 kg	<b>BPZ:3720260001</b>
		
<b>GMXD7</b>	<b>Anti-drilling foil for GM730 and GM760</b> The GMXD7 can be fitted into the detector's housing as an additional tamper protection.  Weight    0.010 kg	<b>A5Q00006245</b>

Intrusion Detectors  
 Glass Break Detectors  
 Acoustic Glass Break Detectors



Type

Order No.

AGB600

**Audio glass break detector**

A5Q00001591



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.

Supply voltage	8 ~ 16 VDC
Current consumption	3.2 mA - 8 mA
Alarm output tamper contact	30 VDC / 100 mA
Sensitivity adjustment	8 / 4 m
Range	max. 8.5 m radius
Color	white
Operating temperature	-10 ~ +55 °C
Weight	0.150 kg
Data sheet	007389

GT2

**Test unit for AGB600**

BPZ:5074190001







After a location has been selected, the GT-2 test unit can be used to check the AGB600 detector for correct acoustic coupling to the glass surfaces to be protected, prior to permanent installation.

Weight	0.251 kg
--------	----------




Intrusion Detectors  
Other Surveillance Systems  
Mechanic Contacts



Type	Order No.														
<p><b>TKU..</b></p>  <p><b>Surveillance contact</b></p> <p>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.</p> <p>Single pole changeover contact:</p> <table border="0"> <tr> <td>Switch power rating</td> <td>&gt; 25W</td> </tr> <tr> <td>Current</td> <td>&gt; 1 A</td> </tr> <tr> <td>Voltage</td> <td>low voltage</td> </tr> <tr> <td>Actuating pressure</td> <td>400 g max.</td> </tr> <tr> <td>Overtravel</td> <td>4 ~ 7 mm, depending on changeover gap</td> </tr> <tr> <td>Ambient temperature range</td> <td>-20 ~ +50 °C</td> </tr> <tr> <td>Data sheet</td> <td>008126</td> </tr> </table>	Switch power rating	> 25W	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	<p>TKU..</p>
Switch power rating	> 25W														
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														
<p><b>TKU2</b></p>  <p><b>Surveillance contact</b></p> <p>As TKU.. for technical details, but with the following differences:</p> <table border="0"> <tr> <td>Weight</td> <td>0.019 kg</td> </tr> </table>	Weight	0.019 kg	<p>BPZ:2305080001</p>												
Weight	0.019 kg														
<p><b>TKU3</b></p>  <p><b>Surveillance contact</b></p> <p>The TKU3 can be used in similar applications as the TKU2 and on skylight or swivel windows with special locking mechanisms. It offers the same technical features as TKU.., but with the following differences:</p> <table border="0"> <tr> <td>Weight</td> <td>0.029 kg</td> </tr> </table>	Weight	0.029 kg	<p>BPZ:2307860001</p>												
Weight	0.029 kg														
<p><b>TKU4</b></p>  <p><b>Surveillance contact</b></p> <p>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. Same technical details as TKU.., but with the following differences:</p> <table border="0"> <tr> <td>Weight</td> <td>0.033 kg</td> </tr> </table>	Weight	0.033 kg	<p>BPZ:2307990001</p>												
Weight	0.033 kg														

Intrusion Detectors  
Other Surveillance Systems  
Mechanic Contacts

Type	Order No.
TKU5	BPZ:2442770001
	
<b>Surveillance contact</b>	
As TKU4 for technical details, but including a protective spring.	
Weight	0.037 kg

Intrusion Detectors  
 Other Surveillance Systems  
 Picture Surveillance Systems



Type

Order No.

BM41

**Electromechanical detector**



The picture surveillance system provides security for all works of art suspended on walls in museums and galleries. The system signals alarm when the object is touched, moved or removed, thus guaranteeing optimum surveillance, especially when the gallery is open to the public. The BM41 triggers an alarm when the object is lifted from the hook.

Load carrying limits

- min. suspended weight 1.5 kg
- max. suspended weight in support rail BMT2: 100 kg  
separate mounting: 50 kg  
with extension hook: 40 kg

Alarm outputs

- SPDT contact, low voltage max. load 1 A/ 25 VA

Operating temperature range -20 ~ +50 °C

Enclosure protection category IP53

Weight 0.310 kg

BPZ:3221020001

BM46

**Electronic detector**



The picture surveillance system provides security for all works of art suspended on walls in museums and galleries. The system signals alarm when the object is touched, moved or removed, thus guaranteeing optimum surveillance, especially when the gallery is open to the public. The BM46 responds to movement of a few thousandths of a millimeter. Compatible with old systems with BM45 detectors.

Load carrying limits

- min. suspended weight 0.5 kg
- max. suspended weight in support rail BMT2: 100 kg  
separate mounting: 50 kg  
with extension hook: 40 kg

Supply 9 ~ 16 VDC

Current consumption 8 mA

Alarm threshold continuously range approx. 1 : 6

Alarm outputs

- alarm relay max. 16 VDC/ 100 mA
- transistor with 1KOhm minus potential at alarm (diode in series)

- alarm indicator LED

Operating temperature range 0 ~ +50 °C

Enclosure protection category IP53


Weight 0.370 kg

BPZ:5630000001



Intrusion Detectors  
 Other Surveillance Systems  
 Picture Surveillance Systems






Type	Order No.																																														
<p><b>DV451</b></p>  <p><b>Showcase surveillance detector</b></p> <p>The DV451 showcase surveillance detector is used with intrusion detection systems to protect showcases of various designs. The new detection principle registers any kind of attack on the showcase promptly and reliably. The active detection system is used in showcases with a volume of 100 to 2000 liter in museums, art galleries and jeweler's shops as well as for facade showcases.</p> <table border="0"> <tr> <td>Supply</td> <td>9 ~ 16 VDC</td> </tr> <tr> <td>Current consumption</td> <td>45 ~ 120mA (12V quiescent) 100 ~ 150mA (12V on alarm)</td> </tr> <tr> <td>Alarm outputs</td> <td></td> </tr> <tr> <td>- relay contact</td> <td>100 VDC / 0.4 mA / 10 W</td> </tr> <tr> <td>- alarm holding time</td> <td>5s</td> </tr> <tr> <td>- alarm indicator</td> <td>LED</td> </tr> <tr> <td>Local horn relay:</td> <td>changeover contact</td> </tr> <tr> <td>- contact load</td> <td>24 VDC / 1A or 120 VAC / 0.5A</td> </tr> <tr> <td>Control input</td> <td></td> </tr> <tr> <td>- inhibit horn</td> <td>LOW &lt; 1 V (2 mA) / HIGH &gt; 3.5 V</td> </tr> <tr> <td>Interface RS232</td> <td>5 V</td> </tr> <tr> <td>Loudspeaker 1</td> <td>(small) type AD4061/W8</td> </tr> <tr> <td>Loudspeaker 2</td> <td>(large) type W170S/W8</td> </tr> <tr> <td>Microphone</td> <td>type WM 034DBU</td> </tr> <tr> <td>Sensitivity</td> <td>4 levels</td> </tr> <tr> <td>Response time</td> <td>4 steps</td> </tr> <tr> <td>Showcase volume</td> <td>100 ~ 2000 liter</td> </tr> <tr> <td>Operating temperature</td> <td>0 ~ +50 °C</td> </tr> <tr> <td>Storage temperature</td> <td>-10 ~ +60 °C</td> </tr> <tr> <td>Humidity (EN60721)</td> <td>&lt; 95 % r.F. non condensing</td> </tr> <tr> <td>Housing protection category</td> <td>IP31</td> </tr> <tr> <td>VdS</td> <td>G197014</td> </tr> <tr> <td>CE</td> <td>in conformity</td> </tr> </table>	Supply	9 ~ 16 VDC	Current consumption	45 ~ 120mA (12V quiescent) 100 ~ 150mA (12V on alarm)	Alarm outputs		- relay contact	100 VDC / 0.4 mA / 10 W	- alarm holding time	5s	- alarm indicator	LED	Local horn relay:	changeover contact	- contact load	24 VDC / 1A or 120 VAC / 0.5A	Control input		- inhibit horn	LOW < 1 V (2 mA) / HIGH > 3.5 V	Interface RS232	5 V	Loudspeaker 1	(small) type AD4061/W8	Loudspeaker 2	(large) type W170S/W8	Microphone	type WM 034DBU	Sensitivity	4 levels	Response time	4 steps	Showcase volume	100 ~ 2000 liter	Operating temperature	0 ~ +50 °C	Storage temperature	-10 ~ +60 °C	Humidity (EN60721)	< 95 % r.F. non condensing	Housing protection category	IP31	VdS	G197014	CE	in conformity	<p><b>BPZ:4617330001</b></p>
Supply	9 ~ 16 VDC																																														
Current consumption	45 ~ 120mA (12V quiescent) 100 ~ 150mA (12V on alarm)																																														
Alarm outputs																																															
- relay contact	100 VDC / 0.4 mA / 10 W																																														
- alarm holding time	5s																																														
- alarm indicator	LED																																														
Local horn relay:	changeover contact																																														
- contact load	24 VDC / 1A or 120 VAC / 0.5A																																														
Control input																																															
- inhibit horn	LOW < 1 V (2 mA) / HIGH > 3.5 V																																														
Interface RS232	5 V																																														
Loudspeaker 1	(small) type AD4061/W8																																														
Loudspeaker 2	(large) type W170S/W8																																														
Microphone	type WM 034DBU																																														
Sensitivity	4 levels																																														
Response time	4 steps																																														
Showcase volume	100 ~ 2000 liter																																														
Operating temperature	0 ~ +50 °C																																														
Storage temperature	-10 ~ +60 °C																																														
Humidity (EN60721)	< 95 % r.F. non condensing																																														
Housing protection category	IP31																																														
VdS	G197014																																														
CE	in conformity																																														
<p><b>DVZ451</b></p> <p><b>Loudspeaker 1 (small)</b></p> <p>For DV451, with 5 m cable</p>	<p><b>BPZ:4681470001</b></p>																																														
<p><b>DVZ452</b></p> <p><b>Loudspeaker 2 ( large)</b></p> <p>For DV451, with 5 m cable</p>	<p><b>BPZ:4793010001</b></p>																																														

# Intrusion Detectors

## Other Surveillance Systems



### Foot Rails

Type	Order No.
<p><b>FK32</b></p>  <p><b>Hold-up foot rail</b></p> <p>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.</p> <p>Weight 0.632 kg Data sheet 008125</p>	<p><b>BPZ:2305530001</b></p>
<p><b>FKL3</b></p>  <p><b>L-bracket for wall mounting</b></p> <p>The L-bracket FKL3 is used for wall mounting.</p> <p>Weight 1.795 kg</p>	<p><b>BPZ:2446170001</b></p>
<p><b>FKZ3</b></p>  <p><b>Z-bracket for floor mounting</b></p> <p>The Z-bracket FKZ3 is used for mounting on the floor.</p> <p>Weight 3.242 kg</p>	<p><b>BPZ:2446200001</b></p>
<p><b>FK3-S100K</b></p> <p><b>Indicator caps (1 pack of 100 pcs)</b></p> <p>Weight 0.024 kg</p>	<p><b>BPZ:2436890001</b></p>

Intrusion Detectors  
Other Surveillance Systems  
Hold-up Alarm Devices




5

Type	Order No.
<p><b>AT11W</b></p>  <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</p>	<p><b>BPZ:388900001</b></p>
<p><b>AT12W</b></p> <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><b>BPZ:3889130001</b></p>
<p><b>FAT7</b></p>  <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</p>	<p><b>BPZ:2937810001</b></p>
<p><b>AT11W A/7</b></p> <p><b>Replacement paper disc for AT11W/ AT12W (10 pcs)</b></p>	<p><b>BPZ:4198240001</b></p>
<p><b>FAT6 A/7</b></p> <p><b>Replacement paper disc for FAT7 (10 pcs)</b></p>	<p><b>BPZ:2566500001</b></p>

# Intrusion Detectors

## Other Surveillance Systems

### 12 Volt Smoke Detectors

Type	Order No.																								
<p><b>OP312R</b></p>  <p><b>12 V optical smoke detector</b></p> <p>Optical smoke detector for conventional intrusion systems with patented optical chamber. Easy installation thanks to plug-in connectors and click-concept.</p> <table border="0"> <tr> <td>Supply voltage</td> <td>8.0 - 16.0 VDC</td> </tr> <tr> <td>Current consumption</td> <td>max. 10 mA on alarm</td> </tr> <tr> <td>Alarm outputs</td> <td></td> </tr> <tr> <td>Semiconductor relay</td> <td>30 VDC / 100 mA / Ri &lt; 40 Ohm ohmic load</td> </tr> <tr> <td>Alarm holding time</td> <td>2 - 3 s</td> </tr> <tr> <td>Detector threshold</td> <td>2.5 %/m</td> </tr> <tr> <td>Integration time</td> <td>typ. 14 s</td> </tr> <tr> <td>Operation temperature</td> <td>-10 - +55°C</td> </tr> <tr> <td>Storage temperature</td> <td>-20 - +65°C</td> </tr> <tr> <td>Humidity (DIN40040)</td> <td>&lt; 95 % r.h., non condensing</td> </tr> <tr> <td>Weight</td> <td>0.080 kg</td> </tr> <tr> <td>Data sheet</td> <td>007390</td> </tr> </table>	Supply voltage	8.0 - 16.0 VDC	Current consumption	max. 10 mA on alarm	Alarm outputs		Semiconductor relay	30 VDC / 100 mA / Ri < 40 Ohm ohmic load	Alarm holding time	2 - 3 s	Detector threshold	2.5 %/m	Integration time	typ. 14 s	Operation temperature	-10 - +55°C	Storage temperature	-20 - +65°C	Humidity (DIN40040)	< 95 % r.h., non condensing	Weight	0.080 kg	Data sheet	007390	<p><b>A5Q00001969</b></p>
Supply voltage	8.0 - 16.0 VDC																								
Current consumption	max. 10 mA on alarm																								
Alarm outputs																									
Semiconductor relay	30 VDC / 100 mA / Ri < 40 Ohm ohmic load																								
Alarm holding time	2 - 3 s																								
Detector threshold	2.5 %/m																								
Integration time	typ. 14 s																								
Operation temperature	-10 - +55°C																								
Storage temperature	-20 - +65°C																								
Humidity (DIN40040)	< 95 % r.h., non condensing																								
Weight	0.080 kg																								
Data sheet	007390																								
<p><b>SOA322</b></p> <p><b>Base attachment for surface mounting</b></p> <p>Base attachment for feeding in surface wiring and to provide more wire space. It may also be used as a junction box where up to 30 wires can be connected. Up to 10 connection terminals DBZ1190-AB may be clicked-into to the base attachment SOA322. The base SO320 is mounted using a spring-loaded catch.</p> <table border="0"> <tr> <td>Packing unit</td> <td>30 pieces per carton</td> </tr> <tr> <td>Dimensions (Øx H)</td> <td>100 x 20 mm</td> </tr> <tr> <td>Cable capacity</td> <td>0.2... 2.5 mm<sup>2</sup></td> </tr> <tr> <td>Connection terminal 2.5mm<sup>2</sup></td> <td>DBZ1190-AB</td> </tr> </table>	Packing unit	30 pieces per carton	Dimensions (Øx H)	100 x 20 mm	Cable capacity	0.2... 2.5 mm <sup>2</sup>	Connection terminal 2.5mm <sup>2</sup>	DBZ1190-AB	<p><b>BPZ:5358340001</b></p>																
Packing unit	30 pieces per carton																								
Dimensions (Øx H)	100 x 20 mm																								
Cable capacity	0.2... 2.5 mm <sup>2</sup>																								
Connection terminal 2.5mm <sup>2</sup>	DBZ1190-AB																								
<p><b>DBZ1190-AB</b></p> <p><b>Connection terminal, 2.5 mm<sup>2</sup></b></p> <p>The DBZ1190-AB is used to several application as cross-connection, cable shielding, ext. alarm indicator or for connection other applications. The connection terminals fit into several devices. They are mentioned as an option, accessory and can easily be inserted.</p> <table border="0"> <tr> <td>Packing unit</td> <td>100 pieces per carton</td> </tr> <tr> <td>Cable capacity</td> <td>1... 2.5 mm<sup>2</sup></td> </tr> </table>	Packing unit	100 pieces per carton	Cable capacity	1... 2.5 mm <sup>2</sup>	<p><b>BPZ:4942340001</b></p>																				
Packing unit	100 pieces per carton																								
Cable capacity	1... 2.5 mm <sup>2</sup>																								
<p><b>RE6 O.H.S.T</b></p> <p><b>Detector tester for optical detectors</b></p> <p>The detector tester is placed over the detector and given a brief push to release the test gas and so simulate the presence of fire aerosols. The detector responds quickly and actuates an alarm. The aerosol does not leave any residue in the detector optical chamber. Different bellows are available to guarantee the best fit. Mounts on extension rod FDUM291 or 292. Further accessories:</p> <table border="0"> <tr> <td>Bellow for Synova<sup>TM</sup> detectors</td> <td>RG320</td> </tr> <tr> <td>Data sheet</td> <td>001164</td> </tr> </table>	Bellow for Synova <sup>TM</sup> detectors	RG320	Data sheet	001164	<p><b>BPZ:3680300001</b></p>																				
Bellow for Synova <sup>TM</sup> detectors	RG320																								
Data sheet	001164																								
<p><b>REF7-S</b></p> <p><b>Test gas can</b></p> <p>Replacement test gas can for RE6 detector tester. Can be used for all type of detectors including optical detectors. It contains 350 ml of non contaminating aerosol.</p>	<p><b>BPZ:4763850001</b></p>																								



# SIEMENS

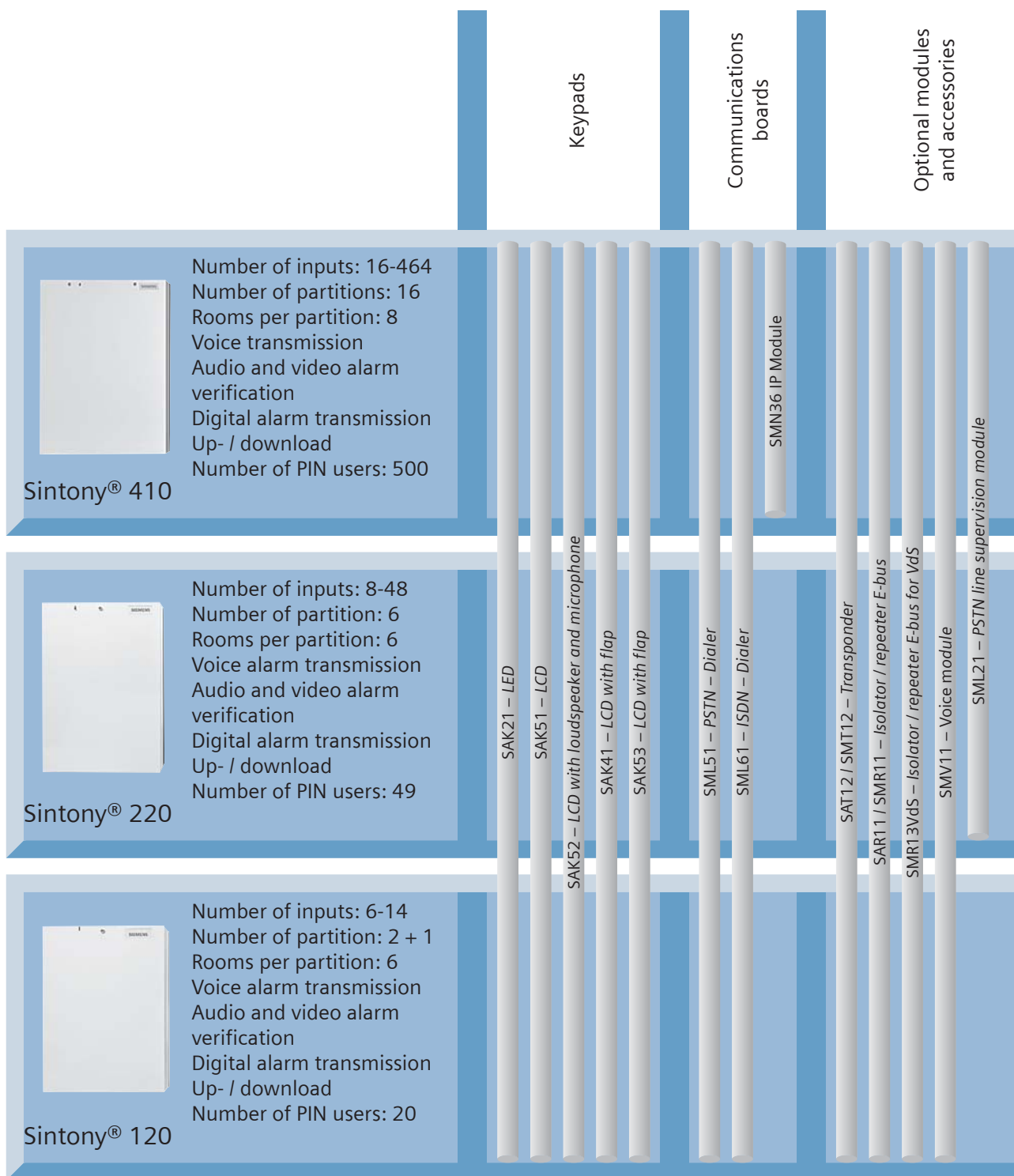
Building Technologies



For every application - The complete range of Siemens Motion Detectors.

[www.sbt.siemens.com](http://www.sbt.siemens.com)

Intrusion Panels  
**Overviews**  
**Product Overview**



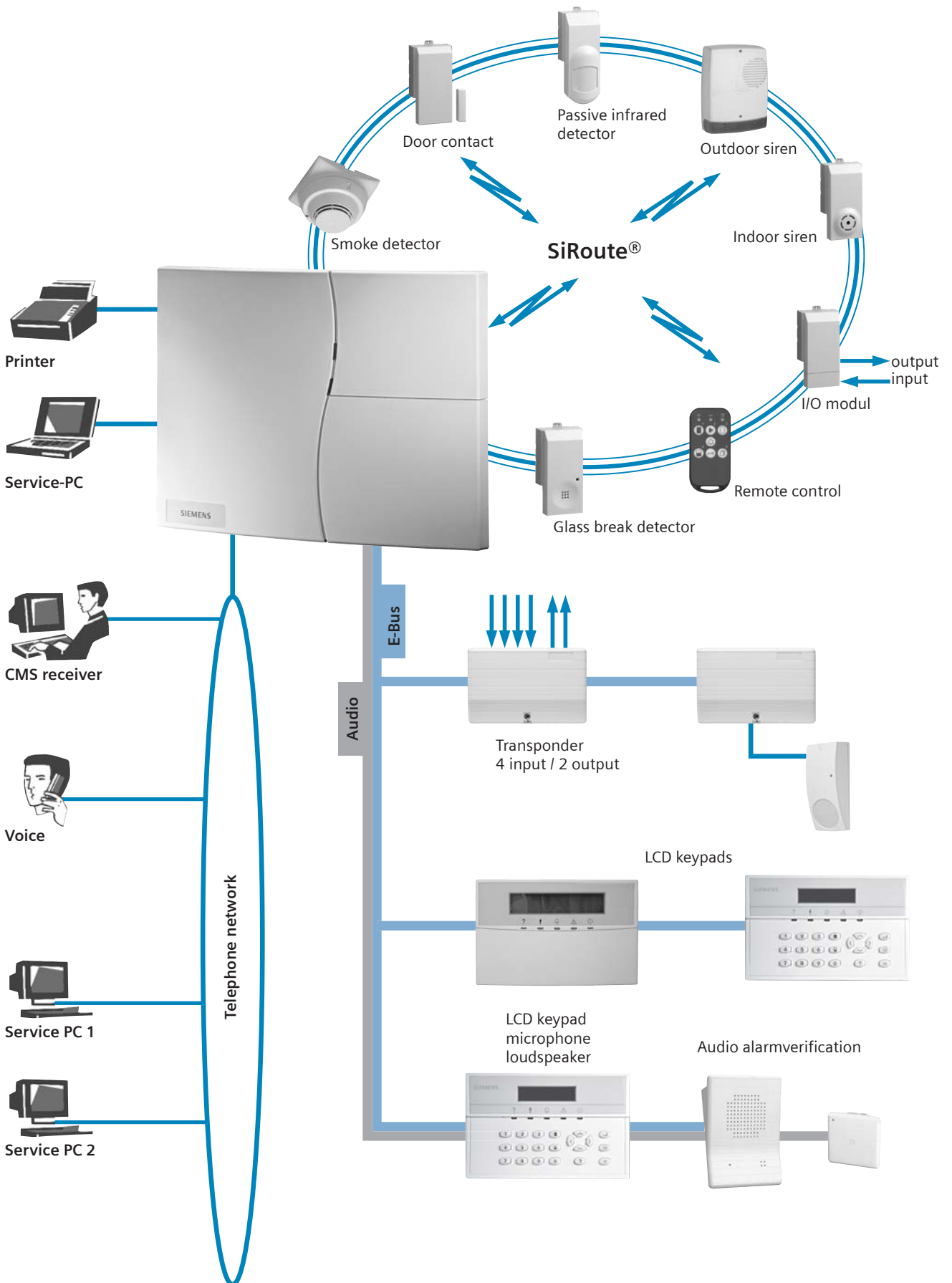




Intrusion Panels  
 Low Segment Panels  
 SI80 / SI100




6



## Intrusion Panels

### Low Segment Panels

#### SI80 / SI100

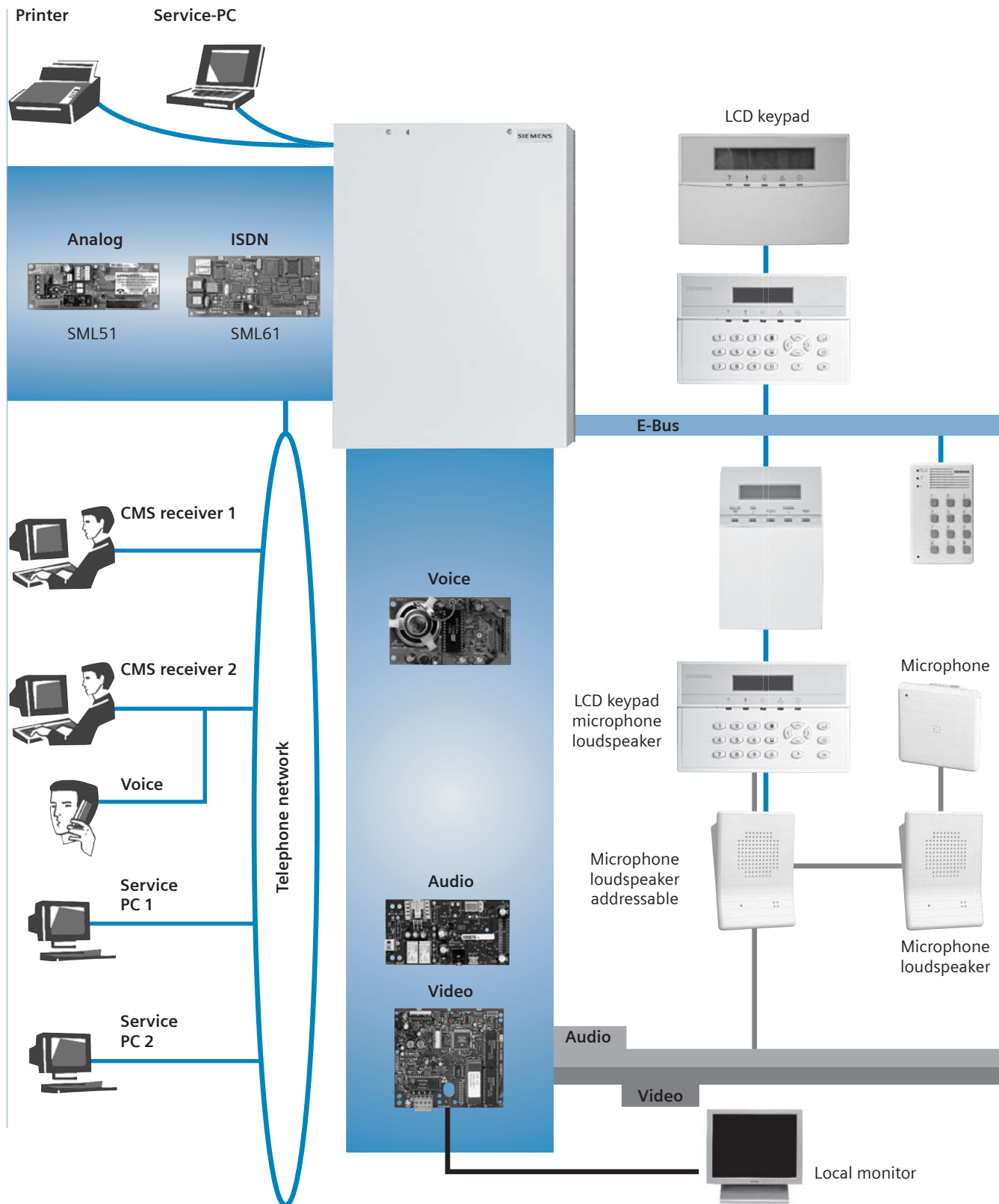
Type	Order No.																																												
<p><b>SI81-2</b></p>  <p><b>Sintony® wireless control panel, 16-24 zones</b></p> <p>The SI81-2 is a modular control panel with integrated voice assistance. The control panel can be operated and programmed with the integrated or the optional external LCD keypad. The system programming is done either in a simple programming level or in expert mode with extended parameter set. Without firmware, including integrated dialer SML51.</p> <p>The base version contains:</p> <ul style="list-style-type: none"> <li>- Motherboard incl. power supply</li> <li>- Integrated LCD keypad (2 x 16 characters)</li> <li>- Voice assistance</li> <li>- Wireless transceiver for max. 14 SiRoute™ modules</li> <li>- 2 wired inputs</li> <li>- Integrated microphone and loudspeaker for audio alarm verification and remote voice assistance</li> <li>- Optional dialer (PSTN or ISDN) for voice or alarm transmission to alarm monitoring stations of private subscribers</li> </ul> <p>Optional wiring kit for hardware connection.</p> <p>The features are designed to be used in residential environment and small offices. The integrated E-Bus interface offers a system expansion with bus peripherals of Sintony range.</p> <table border="0"> <tr> <td>Supply voltage (typical)</td> <td>230 VAC, ± 10%/-15% / 50 Hz</td> </tr> <tr> <td>Current consumption</td> <td>min. 80 mA, max. 300 mA</td> </tr> <tr> <td>Battery</td> <td>12 VDC / 2.1 Ah</td> </tr> <tr> <td>Output voltage (nominal)</td> <td>12 VDC / 0.7 A</td> </tr> <tr> <td>Hardwired inputs on board</td> <td>2</td> </tr> <tr> <td>Wireless devices</td> <td>max. 14</td> </tr> <tr> <td>Additional hardwired zones</td> <td>max. 8 (2 SAT12 / SMT12)</td> </tr> <tr> <td>Remote controls</td> <td>max. 8</td> </tr> <tr> <td>User codes</td> <td>8</td> </tr> <tr> <td>Partitions</td> <td>2</td> </tr> <tr> <td>Event memory (user)</td> <td>30</td> </tr> <tr> <td>Event memory (engineer)</td> <td>200</td> </tr> <tr> <td>Optional LCD keypads on E-Bus</td> <td>max. 3</td> </tr> <tr> <td>Open collector output (on board)</td> <td>1 (12 V / 0.15 A)</td> </tr> <tr> <td>Output relay (on board)</td> <td>1 SPDT (24 V / 2 A)</td> </tr> <tr> <td>Optional dialer</td> <td>SML51 (PSTN), SML61 (ISDN)</td> </tr> <tr> <td>Interface</td> <td>1 RS232 for printer / PC</td> </tr> <tr> <td>Operating temperature</td> <td>0 ~ +40 °C</td> </tr> <tr> <td>Dimensions (H x W x D)</td> <td>230 x 350 x 65 mm</td> </tr> <tr> <td>Housing protection</td> <td>IP30</td> </tr> <tr> <td>Weight (without battery)</td> <td>1.600 kg</td> </tr> <tr> <td>Data sheet</td> <td>009345</td> </tr> </table>	Supply voltage (typical)	230 VAC, ± 10%/-15% / 50 Hz	Current consumption	min. 80 mA, max. 300 mA	Battery	12 VDC / 2.1 Ah	Output voltage (nominal)	12 VDC / 0.7 A	Hardwired inputs on board	2	Wireless devices	max. 14	Additional hardwired zones	max. 8 (2 SAT12 / SMT12)	Remote controls	max. 8	User codes	8	Partitions	2	Event memory (user)	30	Event memory (engineer)	200	Optional LCD keypads on E-Bus	max. 3	Open collector output (on board)	1 (12 V / 0.15 A)	Output relay (on board)	1 SPDT (24 V / 2 A)	Optional dialer	SML51 (PSTN), SML61 (ISDN)	Interface	1 RS232 for printer / PC	Operating temperature	0 ~ +40 °C	Dimensions (H x W x D)	230 x 350 x 65 mm	Housing protection	IP30	Weight (without battery)	1.600 kg	Data sheet	009345	<p><b>A5Q00005910</b></p>
Supply voltage (typical)	230 VAC, ± 10%/-15% / 50 Hz																																												
Current consumption	min. 80 mA, max. 300 mA																																												
Battery	12 VDC / 2.1 Ah																																												
Output voltage (nominal)	12 VDC / 0.7 A																																												
Hardwired inputs on board	2																																												
Wireless devices	max. 14																																												
Additional hardwired zones	max. 8 (2 SAT12 / SMT12)																																												
Remote controls	max. 8																																												
User codes	8																																												
Partitions	2																																												
Event memory (user)	30																																												
Event memory (engineer)	200																																												
Optional LCD keypads on E-Bus	max. 3																																												
Open collector output (on board)	1 (12 V / 0.15 A)																																												
Output relay (on board)	1 SPDT (24 V / 2 A)																																												
Optional dialer	SML51 (PSTN), SML61 (ISDN)																																												
Interface	1 RS232 for printer / PC																																												
Operating temperature	0 ~ +40 °C																																												
Dimensions (H x W x D)	230 x 350 x 65 mm																																												
Housing protection	IP30																																												
Weight (without battery)	1.600 kg																																												
Data sheet	009345																																												
<p><b>SLI80-2 D</b></p> <p><b>German language kit for SI81-2</b></p>	<p><b>A5Q00005911</b></p>																																												
<p><b>SLI81-2 F</b></p> <p><b>French language kit for SI81-2</b></p>	<p><b>A5Q00012649</b></p>																																												

Intrusion Panels  
Low Segment Panels  
SI80 / SI100



Type	Order No.
SMZ81	Wiring kit for SI81-2
Connector-kit consisting of 3 connectors. The connectors will be used to connect the 2 in- and outputs and also additional E-Bus components to the control panel.	A6E80117910

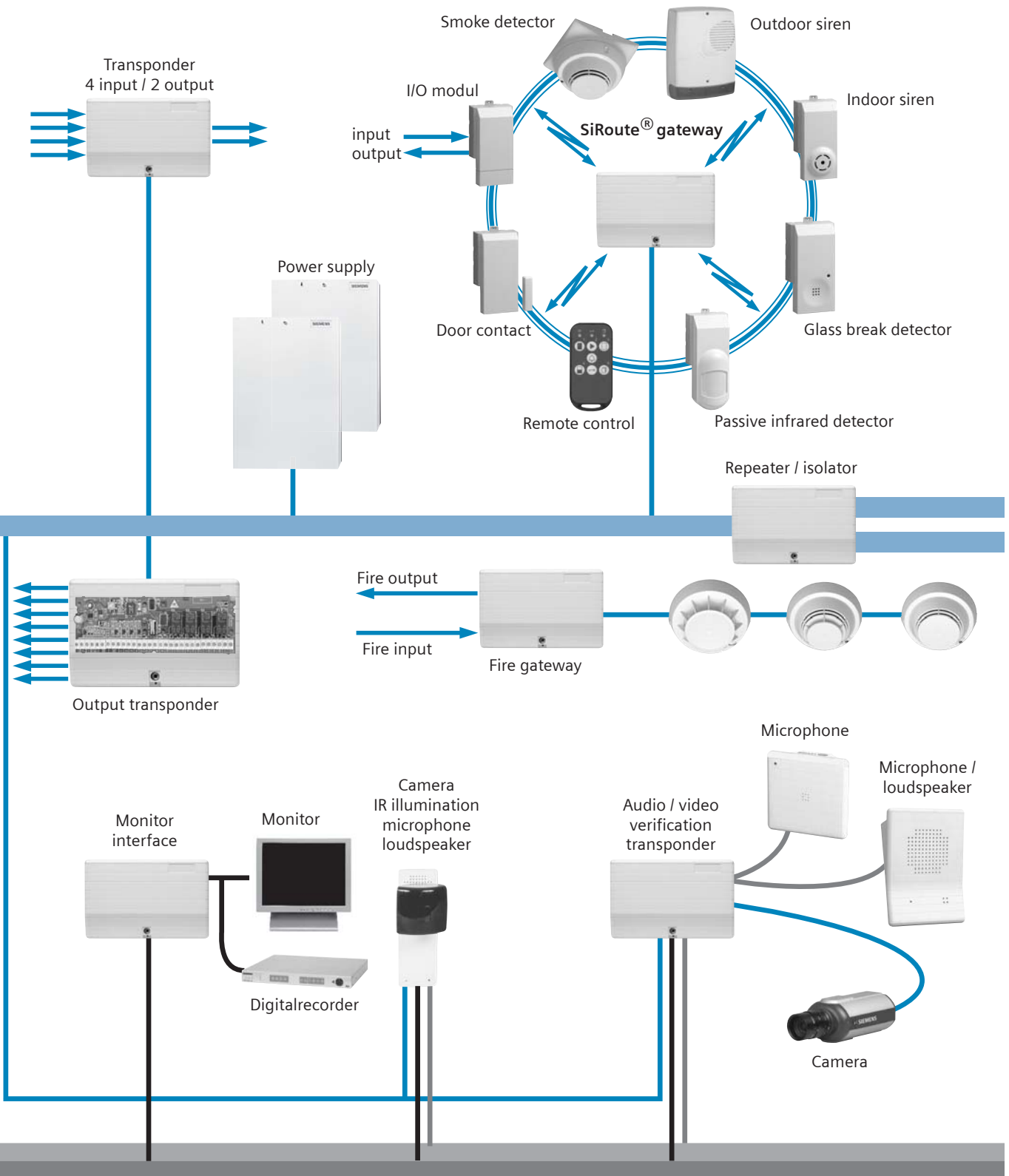
**Intrusion Panels**  
**Low Segment Panels**  
**SI80 / SI100**



Intrusion Panels  
 Low Segment Panels  
 SI80 / SI100




6



## Intrusion Panels

### Low Segment Panels

#### SI80 / SI100

Type	Order No.																																																						
SI120..	SI120..																																																						
	<p><b>Sintony® control panel 6-22 zones</b></p> <p>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.</p> <table border="0"> <tr> <td>Supply voltage (typical)</td> <td>230 VAC, ± 10%/-15% / 50 Hz</td> </tr> <tr> <td>Current consumption</td> <td>max. 160 mA</td> </tr> <tr> <td>Battery</td> <td>12 VDC / 7.2 Ah</td> </tr> <tr> <td>Auxiliary power (nominal)</td> <td>12 VDC / 0.8 A</td> </tr> <tr> <td>Number of on-board zones</td> <td>6</td> </tr> <tr> <td>Max. number of hardwired zones</td> <td>22 (4 SAT12 or SMT12)</td> </tr> <tr> <td>Max. number of output modules</td> <td>1 (SMT44)</td> </tr> <tr> <td>Max. number of wireless zones</td> <td>12 det - 7 on/off (1 receiver)</td> </tr> <tr> <td>Number of on-board open coll.</td> <td>4, 12 V / 0.15 A</td> </tr> <tr> <td>Number of on-board relays</td> <td>1 SPDT, 24 / 2 A</td> </tr> <tr> <td>Max. number of outputs</td> <td>23</td> </tr> <tr> <td>Max. number of user codes</td> <td>19</td> </tr> <tr> <td>Number of partitions</td> <td>2 + 1 common</td> </tr> <tr> <td>Number of rooms per partition</td> <td>6</td> </tr> <tr> <td>Event memory (engineer)</td> <td>200</td> </tr> <tr> <td>Event memory (user)</td> <td>20</td> </tr> <tr> <td>Number of keypads</td> <td>max. 3</td> </tr> <tr> <td>Time function</td> <td>6 time schedule for auto set/unset per partition</td> </tr> <tr> <td>Number of verification devices</td> <td>max. 6</td> </tr> <tr> <td>Video function</td> <td>Local cyclical video/picture transmission</td> </tr> <tr> <td>Telephone communicator</td> <td>Optional SML51 (PSTN) or SML61 (ISDN) Digital and Speech transmission</td> </tr> <tr> <td>Interfaces</td> <td>1 RS232 for printer PC</td> </tr> <tr> <td>Operating temperature</td> <td>0 ~ +40 °C</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>266 x 334 x 75 mm</td> </tr> <tr> <td>Housing protection</td> <td>IP30</td> </tr> <tr> <td>Weight (without battery)</td> <td>3.200 kg</td> </tr> <tr> <td>Data sheet</td> <td>009176</td> </tr> </table>	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	12 det - 7 on/off (1 receiver)	Number of on-board open coll.	4, 12 V / 0.15 A	Number of on-board relays	1 SPDT, 24 / 2 A	Max. number of outputs	23	Max. number of user codes	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	009176
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	12 det - 7 on/off (1 receiver)																																																						
Number of on-board open coll.	4, 12 V / 0.15 A																																																						
Number of on-board relays	1 SPDT, 24 / 2 A																																																						
Max. number of outputs	23																																																						
Max. number of user codes	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	009176																																																						
SI120CH	BPZ:8009800001																																																						
<p><b>Sintony® control panel 6-22 zones Switzerland</b></p> <p>Without firmware, language kit required</p>																																																							
SI120F	BPZ:8007150001																																																						
<p><b>Sintony® control panel 6-22 zones French</b></p>																																																							
SI120F-NF	BPZ:8007590001																																																						
<p><b>Sintony® control panel 6-22 zones French NF</b></p>																																																							
SI120I	BPZ:8007160001																																																						
<p><b>Sintony® control panel 6-22 zones Italian</b></p>																																																							

Intrusion Panels  
Low Segment Panels  
SI80 / SI100




Type		Order No.
SI120UK	Sintony® control panel 6-22 zones English	A6E80115610
SI121ES	Sintony® control panel 6-22 zones Spanish SI120 Panel with Spanish software + SML51 PSTN communicator	BPZ:8007130001
SLI120CHD	Panel software kit for Swiss German	BPZ:8007490001
SLI120CHF	Panel software kit for Swiss French	BPZ:8007500001
SLI120CHI	Panel software kit for Swiss Italian	BPZ:8007480001



Intrusion Panels  
**High Segment Panels**  
**SI200 / SI400**



Type	Order No.																																																				
<p><b>SI220..</b></p>  <p><b>Sintony® control panel 8-48 zones</b></p> <p>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.</p> <table border="0"> <tr> <td>Supply voltage (typical)</td> <td>230 VAC, ± 10% / 50 Hz</td> </tr> <tr> <td>Current consumption</td> <td>max. 210 mA</td> </tr> <tr> <td>Battery</td> <td>12 VDS / 17 Ah</td> </tr> <tr> <td>Auxiliary power (nominal)</td> <td>12 VDC / 1.3 A</td> </tr> <tr> <td>Number of on-board zones</td> <td>8</td> </tr> <tr> <td>Max. number of hardwired zones</td> <td>48 (10 SAT12 or SMT12)</td> </tr> <tr> <td>Max. number of wireless zones</td> <td>32 det - 21 on/off (3 receiver)</td> </tr> <tr> <td>Number of on-board open coll.</td> <td>4, 12 V / 0.15 A 1, 12 V / 1 A</td> </tr> <tr> <td>Number of on-board relays</td> <td>1 SPDT, 24 / 2 A 1 DPDT, 24 / 2 A 1 SPDT, 48 / 5 A</td> </tr> <tr> <td>Max. number of outputs</td> <td>49</td> </tr> <tr> <td>Max. number of user codes</td> <td>49</td> </tr> <tr> <td>Number of partitions</td> <td>6</td> </tr> <tr> <td>Number of rooms per partition</td> <td>6</td> </tr> <tr> <td>Event memory (engineer)</td> <td>500</td> </tr> <tr> <td>Event memory (user)</td> <td>50</td> </tr> <tr> <td>Number of keypads</td> <td>max. 7</td> </tr> <tr> <td>Time function</td> <td>6 time schedule for auto set/unset per partition</td> </tr> <tr> <td>Number of verification devices</td> <td>max. 8</td> </tr> <tr> <td>Video function</td> <td>Local cyclical video/picture transmission</td> </tr> <tr> <td>Telephone communicator</td> <td>Optional SML51 (PSTN) or SML61 (ISDN) Digital and Speech transmission</td> </tr> <tr> <td>Interfaces</td> <td>1 RS232 for printer / PC</td> </tr> <tr> <td>Operating temperature</td> <td>0° ~ +40 °C</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>303 x 405 x 88 mm</td> </tr> <tr> <td>Housing protection</td> <td>IP30</td> </tr> <tr> <td>Weight (without battery)</td> <td>5.500 kg</td> </tr> <tr> <td>Data sheet</td> <td>009175</td> </tr> </table>	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	32 det - 21 on/off (3 receiver)	Number of on-board open coll.	4, 12 V / 0.15 A 1, 12 V / 1 A	Number of on-board relays	1 SPDT, 24 / 2 A 1 DPDT, 24 / 2 A 1 SPDT, 48 / 5 A	Max. number of outputs	49	Max. number of user codes	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 per partition	Number of verification devices	max. 8	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)	303 x 405 x 88 mm	Housing protection	IP30	Weight (without battery)	5.500 kg	Data sheet	009175	<p><b>SI220..</b></p>
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	32 det - 21 on/off (3 receiver)																																																				
Number of on-board open coll.	4, 12 V / 0.15 A 1, 12 V / 1 A																																																				
Number of on-board relays	1 SPDT, 24 / 2 A 1 DPDT, 24 / 2 A 1 SPDT, 48 / 5 A																																																				
Max. number of outputs	49																																																				
Max. number of user codes	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 per partition																																																				
Number of verification devices	max. 8																																																				
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)	303 x 405 x 88 mm																																																				
Housing protection	IP30																																																				
Weight (without battery)	5.500 kg																																																				
Data sheet	009175																																																				
<p><b>SI220CH</b></p> <p><b>Sintony® control panel 8-48 zones Switzerland</b></p> <p>Without firmware, language kit required</p>	<p><b>BPZ:8007510001</b></p>																																																				
<p><b>SI220F</b></p> <p><b>Sintony® control panel 8-48 zones French</b></p>	<p><b>BPZ:8007250001</b></p>																																																				
<p><b>SI220F-NF</b></p> <p><b>Sintony® control panel 8-48 zones French NF</b></p>	<p><b>BPZ:8005810001</b></p>																																																				

**Intrusion Panels**  
**High Segment Panels**  
**SI200 / SI400**

Type		Order No.
SI220I	Sintony® control panel 8-48 zones Italian	BPZ:8007260001
SI220UK	Sintony® control panel 8-48 zones English	A6E80115710
SI221ES	Sintony® control panel 8-48 zones Spanish	BPZ:8007240001
SLI220CHD	Panel software kit for Swiss German	BPZ:8007530001
SLI220CHF	Panel software kit for Swiss French	BPZ:8007540001
SLI220CHI	Panel software kit for Swiss Italian	BPZ:8007520001



# SIEMENS

Building Technologies



7

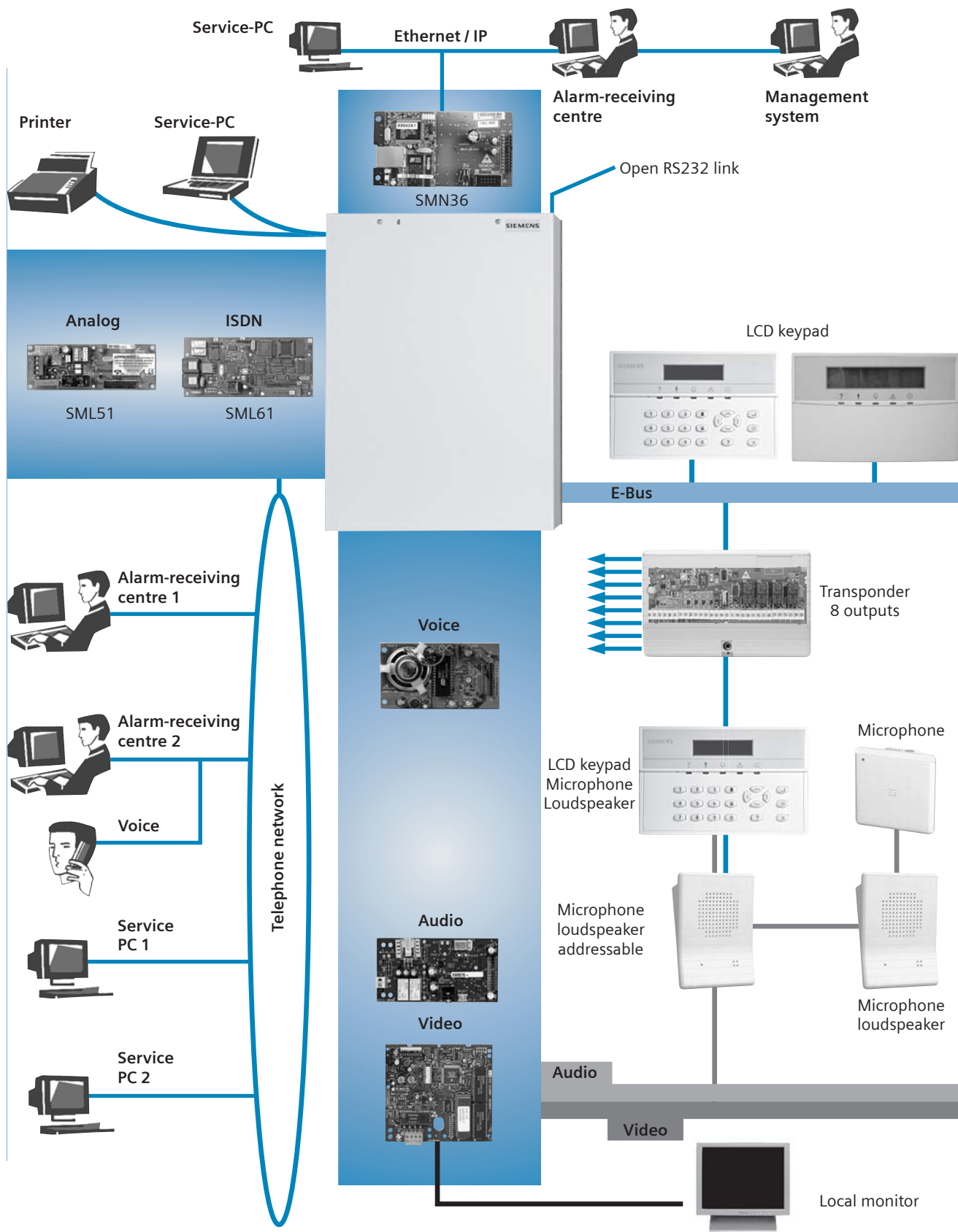
Sintony: for sophisticated  
security solutions!

[www.sbt.siemens.com](http://www.sbt.siemens.com)

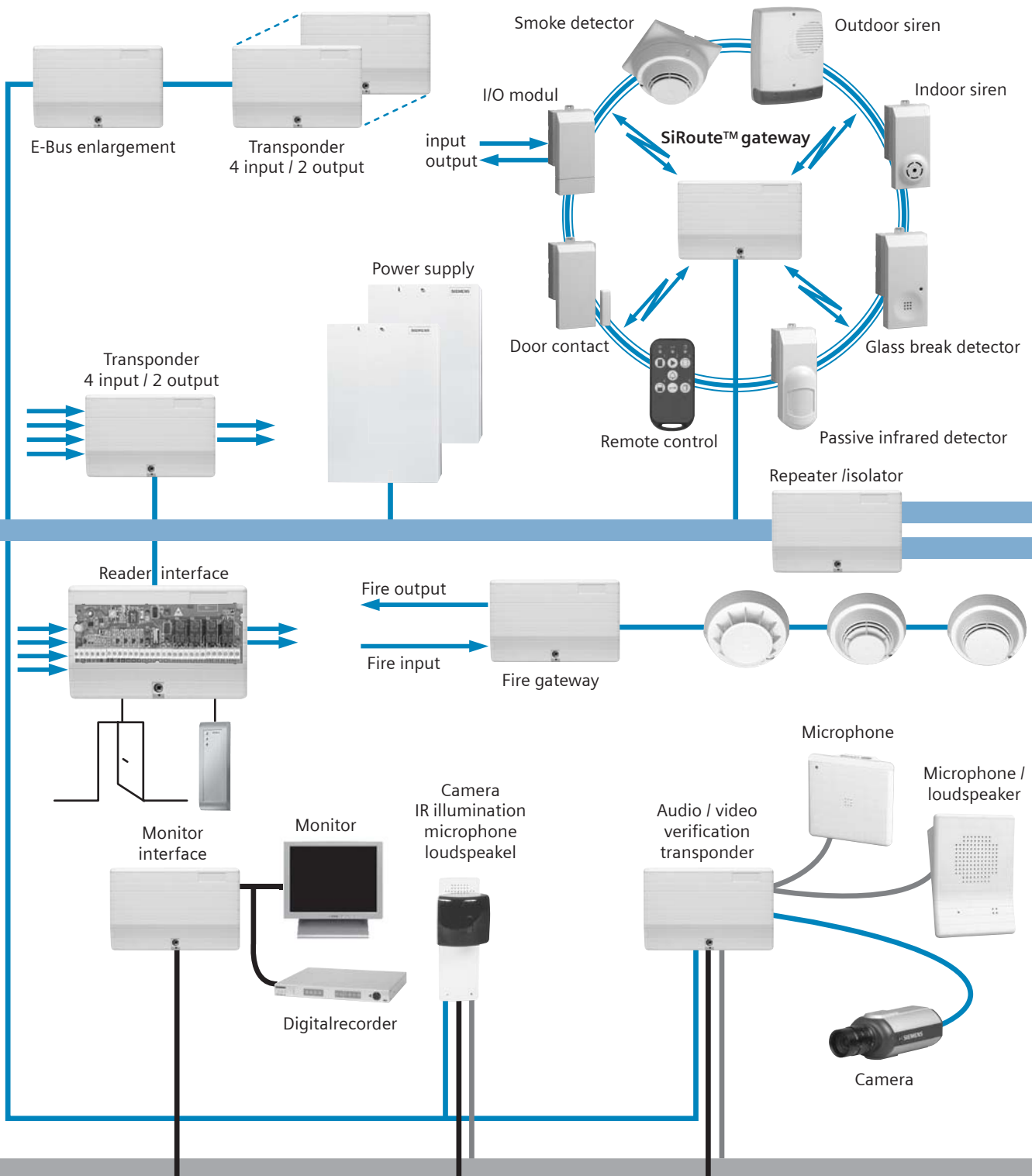
# Intrusion Panels

## High Segment Panels

### SI200 / SI400



Intrusion Panels  
 High Segment Panels  
 SI200 / SI400




7

# Intrusion Panels

## High Segment Panels

### SI200 / SI400

Type	Order No.																																																												
<p><b>SI410..</b></p>  <p><b>Sintony® control panel 16-464 zones</b></p> <p>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 steel housing with tamper contact. Main board with power supply and transformer are integrated. In- and outputs are freely programmable.</p> <table border="0"> <tr> <td>Supply voltage (typical)</td> <td>230 VAC, + 10%/- 15% / 50 Hz</td> </tr> <tr> <td>Current consumption</td> <td>max. 300 mA</td> </tr> <tr> <td>Battery</td> <td>12 VDC / 24 Ah</td> </tr> <tr> <td>Auxiliary power (nominal)</td> <td>12 VDC / 2.3 A</td> </tr> <tr> <td>Number of on-board zones</td> <td>16</td> </tr> <tr> <td>Max. number of hardwired zones</td> <td>conventional - 464 (112 SAT12 or SMT12) 4 SAG91 required for full capacity</td> </tr> <tr> <td>Max. number of wireless zones</td> <td>48 det - 28 on/off (4 receiver)</td> </tr> <tr> <td>Number of on-board open coll.</td> <td>7, 12 V / 0.15 A 1, 12 V / 1 A</td> </tr> <tr> <td>Number of on-board relays</td> <td>1 SPDT, 24 / 2 A 1 DPDT, 24 / 2 A 1 SPDT, 48 / 5 A</td> </tr> <tr> <td>Max. number of outputs</td> <td>274</td> </tr> <tr> <td>Max. number of user codes</td> <td>497</td> </tr> <tr> <td>Number of partitions</td> <td>16</td> </tr> <tr> <td>Number of rooms per partition</td> <td>8</td> </tr> <tr> <td>Number of clusters</td> <td>4 (group of partitions)</td> </tr> <tr> <td>Event memory (engineer)</td> <td>1500</td> </tr> <tr> <td>Event memory (user)</td> <td>50</td> </tr> <tr> <td>Number of keypads</td> <td>max. 32</td> </tr> <tr> <td>Number of card reader</td> <td>max. 64 (using max. 32 cardreader gateways SMG71)</td> </tr> <tr> <td>Time function</td> <td>20 calendars on 2 years for actions on inputs, partitions, outputs and user codes</td> </tr> <tr> <td>Number of verification devices</td> <td>max. 32</td> </tr> <tr> <td>Video function</td> <td>local cyclical video / picture transmission</td> </tr> <tr> <td>Macro language</td> <td>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 &amp; outputs)</td> </tr> <tr> <td>Telephone communicator</td> <td>optional SML51 (PSTN) or SML61 (ISDN) Digital and Speech transmission</td> </tr> <tr> <td>IP-Communication</td> <td>optional SMN36 enables to communicate over IP</td> </tr> <tr> <td>Interfaces</td> <td>2 RS232 for printer / PC</td> </tr> <tr> <td>Operating temperature</td> <td>0 ~ +40 °C</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>365 x 505 x 133 mm</td> </tr> <tr> <td>Housing protection</td> <td>IP30</td> </tr> <tr> <td>Weight (without battery)</td> <td>8.600 kg</td> </tr> <tr> <td>Data sheet</td> <td>009174</td> </tr> </table>	Supply voltage (typical)	230 VAC, + 10%/- 15% / 50 Hz	Current consumption	max. 300 mA	Battery	12 VDC / 24 Ah	Auxiliary power (nominal)	12 VDC / 2.3 A	Number of on-board zones	16	Max. number of hardwired zones	conventional - 464 (112 SAT12 or SMT12) 4 SAG91 required for full capacity	Max. number of wireless zones	48 det - 28 on/off (4 receiver)	Number of on-board open coll.	7, 12 V / 0.15 A 1, 12 V / 1 A	Number of on-board relays	1 SPDT, 24 / 2 A 1 DPDT, 24 / 2 A 1 SPDT, 48 / 5 A	Max. number of outputs	274	Max. number of user codes	497	Number of partitions	16	Number of rooms per partition	8	Number of clusters	4 (group of partitions)	Event memory (engineer)	1500	Event memory (user)	50	Number of keypads	max. 32	Number of card reader	max. 64 (using max. 32 cardreader gateways SMG71)	Time function	20 calendars on 2 years for actions on inputs, 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 & outputs)	Telephone communicator	optional SML51 (PSTN) or SML61 (ISDN) Digital and Speech transmission	IP-Communication	optional SMN36 enables to communicate over IP	Interfaces	2 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	<p><b>SI410..</b></p>
Supply voltage (typical)	230 VAC, + 10%/- 15% / 50 Hz																																																												
Current consumption	max. 300 mA																																																												
Battery	12 VDC / 24 Ah																																																												
Auxiliary power (nominal)	12 VDC / 2.3 A																																																												
Number of on-board zones	16																																																												
Max. number of hardwired zones	conventional - 464 (112 SAT12 or SMT12) 4 SAG91 required for full capacity																																																												
Max. number of wireless zones	48 det - 28 on/off (4 receiver)																																																												
Number of on-board open coll.	7, 12 V / 0.15 A 1, 12 V / 1 A																																																												
Number of on-board relays	1 SPDT, 24 / 2 A 1 DPDT, 24 / 2 A 1 SPDT, 48 / 5 A																																																												
Max. number of outputs	274																																																												
Max. number of user codes	497																																																												
Number of partitions	16																																																												
Number of rooms per partition	8																																																												
Number of clusters	4 (group of partitions)																																																												
Event memory (engineer)	1500																																																												
Event memory (user)	50																																																												
Number of keypads	max. 32																																																												
Number of card reader	max. 64 (using max. 32 cardreader gateways SMG71)																																																												
Time function	20 calendars on 2 years for actions on inputs, 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 & outputs)																																																												
Telephone communicator	optional SML51 (PSTN) or SML61 (ISDN) Digital and Speech transmission																																																												
IP-Communication	optional SMN36 enables to communicate over IP																																																												
Interfaces	2 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																																																												

Intrusion Panels  
**High Segment Panels**  
**SI200 / SI400**




Type		Order No.
SI410BFL	Sintony® control panel 16-464 zones Flemish	BPZ:8002560001
SI410CZ	Sintony® control panel 16-464 zones Czech	BPZ:8004740001
SI410F	Sintony® control panel 16-464 zones French	BPZ:8001800001
SI410F-NF	Sintony® control panel 16-464 zones French NF	BPZ:8008400001
SI410HU	Sintony® control panel 16-464 zones Hungarian	BPZ:8010020001
SI410I	Sintony® control panel 16-464 zones Italian	BPZ:8004320001
SI410PL	Sintony® control panel 16-464 zones Polish	BPZ:8002660001
SI410UK	Sintony® control panel 16-464 zones English	BPZ:8008080001
SI411ES	Sintony® control panel 16-464 zones Spanish SI410 Panel with Spanish software + SML51 PSTN communicator	BPZ:8008660001

# Intrusion Panels

## High Segment Panels

### SI200 / SI400

Type	Order No.																																																										
SI420..	SI420..																																																										
	<p><b>Sintony® control panel 16-464 zones</b></p> <p>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 steel housing with tamper contact. Main board with power supply and transformer are integrated. In- and outputs are freely programmable.</p> <table border="0"> <tr> <td>Supply voltage (typical)</td> <td>230 VAC, + 10%/- 15% / 50 Hz</td> </tr> <tr> <td>Current consumption</td> <td>max. 300 mA</td> </tr> <tr> <td>Battery</td> <td>12 VDC / 27 Ah max.</td> </tr> <tr> <td>Auxiliary power (nominal)</td> <td>12 VDC / 2.5 A</td> </tr> <tr> <td>Number of on-board zones</td> <td>24</td> </tr> <tr> <td>Max. number of hardwired zones</td> <td>conventional - 464 (110 SAT12 or SMT12) 4 SAG91 required for full capacity</td> </tr> <tr> <td>Max. number of wireless zones</td> <td>48 det - 28 on/off (4 receiver)</td> </tr> <tr> <td>Number of on-board open coll.</td> <td>7, 12 V / 0.15 A 1, 12 V / 1 A</td> </tr> <tr> <td>Number of on-board relays</td> <td>1 SPDT, 24 / 2 A 1 DPDT, 24 / 2 A 1 SPDT, 48 / 5 A</td> </tr> <tr> <td>Max. number of outputs</td> <td>274</td> </tr> <tr> <td>Max. number of user codes</td> <td>497</td> </tr> <tr> <td>Number of partitions</td> <td>16</td> </tr> <tr> <td>Number of rooms per partition</td> <td>8</td> </tr> <tr> <td>Number of clusters</td> <td>4 (group of partitions)</td> </tr> <tr> <td>Event memory (engineer)</td> <td>1500</td> </tr> <tr> <td>Event memory (user)</td> <td>50</td> </tr> <tr> <td>Number of keypads</td> <td>max. 32</td> </tr> <tr> <td>Time function</td> <td>20 calendars on 2 years for actions on inputs, partitions, outputs and user codes</td> </tr> <tr> <td>Number of verification devices</td> <td>max. 32</td> </tr> <tr> <td>Video function</td> <td>local cyclical video / picture transmission</td> </tr> <tr> <td>Macro language</td> <td>give possibility to customise each installation through a specific programming able to link 64 inputs to 64 outputs (according to status of partitions, calendars, timers, inputs &amp; outputs)</td> </tr> <tr> <td>Telephone communicator</td> <td>optional SML51 (PSTN) or SML61 (IDSN) Digital and Speech transmission</td> </tr> <tr> <td>IP-Communication</td> <td>optional SMN36 enables communicate over IP</td> </tr> <tr> <td>Interfaces</td> <td>2 RS232 for printer / PC</td> </tr> <tr> <td>Operating temperature</td> <td>0 ~ +40° C</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>395 x 555 x 133 mm</td> </tr> <tr> <td>Housing protection</td> <td>IP30</td> </tr> <tr> <td>Weight (without battery)</td> <td>10.200 kg</td> </tr> <tr> <td>Data sheet</td> <td></td> </tr> </table>	Supply voltage (typical)	230 VAC, + 10%/- 15% / 50 Hz	Current consumption	max. 300 mA	Battery	12 VDC / 27 Ah max.	Auxiliary power (nominal)	12 VDC / 2.5 A	Number of on-board zones	24	Max. number of hardwired zones	conventional - 464 (110 SAT12 or SMT12) 4 SAG91 required for full capacity	Max. number of wireless zones	48 det - 28 on/off (4 receiver)	Number of on-board open coll.	7, 12 V / 0.15 A 1, 12 V / 1 A	Number of on-board relays	1 SPDT, 24 / 2 A 1 DPDT, 24 / 2 A 1 SPDT, 48 / 5 A	Max. number of outputs	274	Max. number of user codes	497	Number of partitions	16	Number of rooms per partition	8	Number of clusters	4 (group of partitions)	Event memory (engineer)	1500	Event memory (user)	50	Number of keypads	max. 32	Time function	20 calendars on 2 years for actions on inputs, partitions, outputs and user codes	Number of verification devices	max. 32	Video function	local cyclical video / picture transmission	Macro language	give possibility to customise each installation through a specific programming able to link 64 inputs to 64 outputs (according to status of partitions, calendars, timers, inputs & outputs)	Telephone communicator	optional SML51 (PSTN) or SML61 (IDSN) Digital and Speech transmission	IP-Communication	optional SMN36 enables communicate over IP	Interfaces	2 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	Data sheet	
Supply voltage (typical)	230 VAC, + 10%/- 15% / 50 Hz																																																										
Current consumption	max. 300 mA																																																										
Battery	12 VDC / 27 Ah max.																																																										
Auxiliary power (nominal)	12 VDC / 2.5 A																																																										
Number of on-board zones	24																																																										
Max. number of hardwired zones	conventional - 464 (110 SAT12 or SMT12) 4 SAG91 required for full capacity																																																										
Max. number of wireless zones	48 det - 28 on/off (4 receiver)																																																										
Number of on-board open coll.	7, 12 V / 0.15 A 1, 12 V / 1 A																																																										
Number of on-board relays	1 SPDT, 24 / 2 A 1 DPDT, 24 / 2 A 1 SPDT, 48 / 5 A																																																										
Max. number of outputs	274																																																										
Max. number of user codes	497																																																										
Number of partitions	16																																																										
Number of rooms per partition	8																																																										
Number of clusters	4 (group of partitions)																																																										
Event memory (engineer)	1500																																																										
Event memory (user)	50																																																										
Number of keypads	max. 32																																																										
Time function	20 calendars on 2 years for actions on inputs, partitions, outputs and user codes																																																										
Number of verification devices	max. 32																																																										
Video function	local cyclical video / picture transmission																																																										
Macro language	give possibility to customise each installation through a specific programming able to link 64 inputs to 64 outputs (according to status of partitions, calendars, timers, inputs & outputs)																																																										
Telephone communicator	optional SML51 (PSTN) or SML61 (IDSN) Digital and Speech transmission																																																										
IP-Communication	optional SMN36 enables communicate over IP																																																										
Interfaces	2 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																																																										
Data sheet																																																											
SI420CH	Sintony® control panel 16-464 zones Switzerland	BPZ:8006790001																																																									

Intrusion Panels  
High Segment Panels  
SI200 / SI400





Type	Order No.
SI420D Sintony® control panel 16-464 zones German Only 144 conventional inputs (no support of SAG91)	BPZ:8009470001



# Intrusion Panels Wireless Systems S-Box





Type	Order No.																																
<p><b>ICW710</b></p>  <p><b>Wireless intrusion panel, 25 zones</b></p> <p>The ICW710 is the first intrusion panel, which benefits from all advantages of the SiRoute® wireless infrastructure, including simplicity, security and reliability. The ICW710 is a black-box control panel, which includes a motherboard with a RS232 interface, the SiRoute® wireless transceiver and an integrated PSTN dialer. This panel is easy to setup and can be placed anywhere on site. All available SiRoute peripherals, including wireless keypad, can be used to build up a pure wireless security system.</p> <table border="0"> <tr> <td>Supply voltage</td> <td>230 VAC / 3W (6 VDC) via external mains power adaptor W7PS10</td> </tr> <tr> <td>Current consumption</td> <td>min. 20 mA, max. 120 mA</td> </tr> <tr> <td>Battery</td> <td></td> </tr> <tr> <td>- NiCad</td> <td>2 x 1.2 V 600 mA rechargeable</td> </tr> <tr> <td>- Lifetime</td> <td>8 hrs</td> </tr> <tr> <td>Communication protocol</td> <td>SIA level 2, contact ID, Tool - ICW710 analogue</td> </tr> <tr> <td>Operating temperature</td> <td>0 ~ +55 °C</td> </tr> <tr> <td>Air humidity (EN 60721)</td> <td>&lt; 95% r.h., non-cond.</td> </tr> <tr> <td>Housing protection</td> <td>IP30 (EN60529, EN50102)</td> </tr> <tr> <td>Frequency</td> <td>868.3 MHz bi-directional (SiRoute®)</td> </tr> <tr> <td>Partition (main)</td> <td>2</td> </tr> <tr> <td>Partition (common)</td> <td>1</td> </tr> <tr> <td>Zones</td> <td>25 (SiRoute® devices)</td> </tr> <tr> <td>Keypads / Keypads users</td> <td>5 / 21 + 1 master</td> </tr> <tr> <td>Event log capacity</td> <td>150</td> </tr> <tr> <td>Data sheet</td> <td>008962</td> </tr> </table>	Supply voltage	230 VAC / 3W (6 VDC) via external mains power adaptor W7PS10	Current consumption	min. 20 mA, max. 120 mA	Battery		- NiCad	2 x 1.2 V 600 mA rechargeable	- Lifetime	8 hrs	Communication protocol	SIA level 2, contact ID, Tool - ICW710 analogue	Operating temperature	0 ~ +55 °C	Air humidity (EN 60721)	< 95% r.h., non-cond.	Housing protection	IP30 (EN60529, EN50102)	Frequency	868.3 MHz bi-directional (SiRoute®)	Partition (main)	2	Partition (common)	1	Zones	25 (SiRoute® devices)	Keypads / Keypads users	5 / 21 + 1 master	Event log capacity	150	Data sheet	008962	<p><b>A5Q00005110</b></p>
Supply voltage	230 VAC / 3W (6 VDC) via external mains power adaptor W7PS10																																
Current consumption	min. 20 mA, max. 120 mA																																
Battery																																	
- NiCad	2 x 1.2 V 600 mA rechargeable																																
- Lifetime	8 hrs																																
Communication protocol	SIA level 2, contact ID, Tool - ICW710 analogue																																
Operating temperature	0 ~ +55 °C																																
Air humidity (EN 60721)	< 95% r.h., non-cond.																																
Housing protection	IP30 (EN60529, EN50102)																																
Frequency	868.3 MHz bi-directional (SiRoute®)																																
Partition (main)	2																																
Partition (common)	1																																
Zones	25 (SiRoute® devices)																																
Keypads / Keypads users	5 / 21 + 1 master																																
Event log capacity	150																																
Data sheet	008962																																
<p><b>ICW711</b></p>  <p><b>Wireless intrusion panel, 25 zones, with GSM</b></p> <p>Same as ICW710 but additionally with integrated GSM modem. GSM is the communication path used either by the end-user's mobile phone or by a CMS (Central Monitoring Station) as backup or alternative communication path. The end-user of the ICW711 can use the SMS function of his mobile phone for remote monitoring (alarms, troubles and status) and for remote operation (arm/disarm, switch on/off comfort facilities).</p> <table border="0"> <tr> <td>Supply voltage</td> <td>230VAC / 3W (6 VDC) via external mains power adaptor W7PS10</td> </tr> <tr> <td>Current consumption</td> <td>min. 60 mA, max. 120 mA</td> </tr> <tr> <td>Battery</td> <td></td> </tr> <tr> <td>- NiCad</td> <td>2 x 1.2 V 600 mA rechargeable</td> </tr> <tr> <td>- Lifetime</td> <td>18 hrs</td> </tr> <tr> <td>Communication protocol</td> <td>SIA level 2, contact ID, Tool - ICW710 analogue</td> </tr> <tr> <td>Operating temperature</td> <td>0 ~ +55 °C</td> </tr> <tr> <td>Air humidity (EN 60721)</td> <td>&lt; 95% r.h., non-cond.</td> </tr> <tr> <td>Housing protection</td> <td>IP30 (EN60529, EN50102)</td> </tr> <tr> <td>Frequency</td> <td>868.3 MHz bi-directional (SiRoute®)</td> </tr> <tr> <td>Partition (main)</td> <td>2</td> </tr> <tr> <td>Partition (common)</td> <td>1</td> </tr> <tr> <td>Zones</td> <td>25 (SiRoute® devices)</td> </tr> <tr> <td>Keypads / Keypads users</td> <td>5 / 21 + 1 master</td> </tr> <tr> <td>Event log capacity</td> <td>150</td> </tr> <tr> <td>Data sheet</td> <td>008963</td> </tr> </table>	Supply voltage	230VAC / 3W (6 VDC) via external mains power adaptor W7PS10	Current consumption	min. 60 mA, max. 120 mA	Battery		- NiCad	2 x 1.2 V 600 mA rechargeable	- Lifetime	18 hrs	Communication protocol	SIA level 2, contact ID, Tool - ICW710 analogue	Operating temperature	0 ~ +55 °C	Air humidity (EN 60721)	< 95% r.h., non-cond.	Housing protection	IP30 (EN60529, EN50102)	Frequency	868.3 MHz bi-directional (SiRoute®)	Partition (main)	2	Partition (common)	1	Zones	25 (SiRoute® devices)	Keypads / Keypads users	5 / 21 + 1 master	Event log capacity	150	Data sheet	008963	<p><b>A5Q00005112</b></p>
Supply voltage	230VAC / 3W (6 VDC) via external mains power adaptor W7PS10																																
Current consumption	min. 60 mA, max. 120 mA																																
Battery																																	
- NiCad	2 x 1.2 V 600 mA rechargeable																																
- Lifetime	18 hrs																																
Communication protocol	SIA level 2, contact ID, Tool - ICW710 analogue																																
Operating temperature	0 ~ +55 °C																																
Air humidity (EN 60721)	< 95% r.h., non-cond.																																
Housing protection	IP30 (EN60529, EN50102)																																
Frequency	868.3 MHz bi-directional (SiRoute®)																																
Partition (main)	2																																
Partition (common)	1																																
Zones	25 (SiRoute® devices)																																
Keypads / Keypads users	5 / 21 + 1 master																																
Event log capacity	150																																
Data sheet	008963																																

# Intrusion Panels


## Wireless Systems

### S-Box

Type	Order No.
<p><b>W7SW10</b></p>  <p><b>UserTool for ICW700</b></p> <p>The W7SW10 is a web-based PC software tool for end-user, which offers basic functions such as monitoring (alarms, troubles, state) and operation (arm/disarm, switch on/off comfort facilities, events history, tests, etc.) The tool is used either locally (using the RS232 connection of the control panel) or remotely (via a server running the InstallerTool W7SW20 and the telephone line or a GSM connection on the panel side).</p> <p>System requirements</p> <ul style="list-style-type: none"> <li>- PC</li> <li>- PC operating system</li> <li>- Web Browser</li> <li>- Serial port</li> <li>- Others</li> <li>Data sheet</li> </ul>	<p><b>A5Q00006854</b></p>
<p><b>W7SW20</b></p>  <p><b>InstallerTool for ICW700</b></p> <p>The W7SW20 is a web-based PC software tool for configuration, installation and maintenance of the intrusion panel series ICW700. The tool can be used either locally (using the RS232 connection of the control panel) or remotely (using the telephone line or a GSM connection on the panel side). Templates allow easy customization to the needs of CMS (Central Monitoring Station) providers, countries or installers and reduce the installation and commissioning time. The open standards architecture (SQL, xml, etc.) allows easy integration and automated enrolment into existing infrastructure of security providers.</p> <p>System requirements</p> <ul style="list-style-type: none"> <li>- PC</li> <li>- PC operating system</li> <li>- Web Browser</li> <li>- Serial port</li> <li>- Others</li> <li>Data sheet</li> </ul>	<p><b>A5Q00006759</b></p>

**Intrusion Panels  
Wireless Systems  
S-Box**



Type	Order No.																																				
<p><b>W7KP10</b></p>  <p><b>SiRoute® wireless LCD keypad for ICW700</b></p> <p>The W7KP10 is a wireless keypad with LCD display used to operate the intrusion panel series ICW700. This keypad uses the same standard SiRoute® radio module (W7BT10) like the other SiRoute devices. The keypad features 3 LEDs for trouble, alarm and partition state indications as well as 3 dedicated personal alarm keys.</p> <table border="0"> <tr> <td>LCD Display</td> <td>2 lines x 16 characters</td> </tr> <tr> <td>LED function</td> <td></td> </tr> <tr> <td>- orange</td> <td>Trouble</td> </tr> <tr> <td>- red</td> <td>Alarm</td> </tr> <tr> <td>- green</td> <td>State</td> </tr> <tr> <td>Special keys</td> <td>Quick arming &amp; personal alarm keys</td> </tr> <tr> <td>Battery</td> <td></td> </tr> <tr> <td>- Alkaline</td> <td>3 x 1.5V + from RF module W7BT10</td> </tr> <tr> <td>- Lifetime</td> <td>Typ. 4 years (with W7BT10)</td> </tr> <tr> <td>Current consumption</td> <td>min. 0.1 mA, max. 30 mA</td> </tr> <tr> <td>Operating temperature</td> <td>0 ~ +55 °C</td> </tr> <tr> <td>Air humidity (EN 60721)</td> <td>&lt; 95% r.h., non-cond.</td> </tr> <tr> <td>Housing protection</td> <td>IP30 (EN60529, EN50102)</td> </tr> <tr> <td>Users</td> <td>21 + 1 master</td> </tr> <tr> <td>Programming</td> <td>Using keypad programming cable W7CA12 (serial connection RS232)</td> </tr> <tr> <td>Event log capacity</td> <td>10</td> </tr> <tr> <td>Housing</td> <td>ABS</td> </tr> <tr> <td>Data sheet</td> <td>009092</td> </tr> </table>	LCD Display	2 lines x 16 characters	LED function		- orange	Trouble	- red	Alarm	- green	State	Special keys	Quick arming & personal alarm keys	Battery		- Alkaline	3 x 1.5V + from RF module W7BT10	- Lifetime	Typ. 4 years (with W7BT10)	Current consumption	min. 0.1 mA, max. 30 mA	Operating temperature	0 ~ +55 °C	Air humidity (EN 60721)	< 95% r.h., non-cond.	Housing protection	IP30 (EN60529, EN50102)	Users	21 + 1 master	Programming	Using keypad programming cable W7CA12 (serial connection RS232)	Event log capacity	10	Housing	ABS	Data sheet	009092	<p><b>A5Q00005115</b></p>
LCD Display	2 lines x 16 characters																																				
LED function																																					
- orange	Trouble																																				
- red	Alarm																																				
- green	State																																				
Special keys	Quick arming & personal alarm keys																																				
Battery																																					
- Alkaline	3 x 1.5V + from RF module W7BT10																																				
- Lifetime	Typ. 4 years (with W7BT10)																																				
Current consumption	min. 0.1 mA, max. 30 mA																																				
Operating temperature	0 ~ +55 °C																																				
Air humidity (EN 60721)	< 95% r.h., non-cond.																																				
Housing protection	IP30 (EN60529, EN50102)																																				
Users	21 + 1 master																																				
Programming	Using keypad programming cable W7CA12 (serial connection RS232)																																				
Event log capacity	10																																				
Housing	ABS																																				
Data sheet	009092																																				
<p><b>W7LKP10-UK</b></p> <p><b>Keypad language kit English</b></p> <p>Language kit for keypad W7KP10. Consists of: plastic front (decal) and user operating manual</p>	<p><b>A5Q00006416</b></p>																																				



# Intrusion Panels

## Wireless Systems

### SiRoute

Type	Order No.																
<p><b>W7BT10</b></p>  <p><b>SiRoute® radio module standard</b></p> <p>For square SiRoute® components and to address to the SiRoute E-Bus gateway W7EG10. It uses a bidirectional transceiver board with a frequency of 868,3 MHz. The package contains 3 pcs of 1,5 V AA batteries and a universal mounting base. Fast and easy installation thanks to "EasyClick".</p> <table border="0"> <tr> <td>Battery supply</td> <td>3 x 1.5 V</td> </tr> <tr> <td>Battery type</td> <td>AA (LR6)</td> </tr> <tr> <td>Operating temperature</td> <td>-10 ~ +55 °C</td> </tr> <tr> <td>Air humidity (EN 60721)</td> <td>&lt; 95% r.h., non-cond.</td> </tr> <tr> <td>Housing material</td> <td>ABS</td> </tr> <tr> <td>Communication type</td> <td>bidirectional</td> </tr> <tr> <td>Communication range</td> <td>unlimited (EasyRouting)</td> </tr> <tr> <td>Data sheet</td> <td>009092</td> </tr> </table>	Battery supply	3 x 1.5 V	Battery type	AA (LR6)	Operating temperature	-10 ~ +55 °C	Air humidity (EN 60721)	< 95% r.h., non-cond.	Housing material	ABS	Communication type	bidirectional	Communication range	unlimited (EasyRouting)	Data sheet	009092	<p><b>A5Q00001923</b></p>
Battery supply	3 x 1.5 V																
Battery type	AA (LR6)																
Operating temperature	-10 ~ +55 °C																
Air humidity (EN 60721)	< 95% r.h., non-cond.																
Housing material	ABS																
Communication type	bidirectional																
Communication range	unlimited (EasyRouting)																
Data sheet	009092																
<p><b>W7BT11</b></p>  <p><b>SiRoute® radio module for round detectors</b></p> <p>For round SiRoute® components and to address to the SiRoute E-Bus gateway W7EG10. It uses a bidirectional transceiver board with a frequency of 868,3 MHz. The package contains 3 pcs of 1,5 V AA batteries and a universal mounting base. Fast and easy installation thanks to "EasyClick".</p> <table border="0"> <tr> <td>Data sheet</td> <td>009092</td> </tr> </table>	Data sheet	009092	<p><b>A5Q00002477</b></p>														
Data sheet	009092																
<p><b>W7EG10</b></p>  <p><b>SiRoute® E-Bus Gateway</b></p> <p>The SiRoute® E-Bus gateway W7EG10 can be connected via E-Bus to any Siemens control panel of the Sintony family. It can replace up to 3 transponders with each 4 inputs and 2 outputs. Up to 12 radio devices (detectors and actuators) and up to 7 radio remote controls can be addressed on one E-Bus gateway W7EG10. The housing contains an E-Bus board and the radio controller board.</p> <table border="0"> <tr> <td>Data sheet</td> <td>009092</td> </tr> </table>	Data sheet	009092	<p><b>BPZ:8010650001</b></p>														
Data sheet	009092																





Type	Order No.																						
<p><b>W7GB650</b></p>  <p><b>SiRoute® acoustic glass break detector</b></p> <p>Acoustic glass break detector without radio module, to be addressed to the SiRoute® E-Bus gateway W7EG10. In contrast to magnet contacts and vibration detectors, which must be mounted on all windows, the SiRoute acoustic glass break detector can monitor the windows of a whole room with a detection range up to 8 m. An LED indicates the alarm state in test mode. The sensitivity high (up to 8 m), low (up to 4 m) or remote (from the control panel) can be selected by jumper.</p> <table border="0"> <tr> <td>Battery supply</td> <td>from W7BT10</td> </tr> <tr> <td>Battery lifetime</td> <td>up to 4 years</td> </tr> <tr> <td>Detection range</td> <td>up to 8 m radius</td> </tr> <tr> <td>Operating temperature</td> <td>-10 ~ +55 °C</td> </tr> <tr> <td>Air humidity (EN 60721)</td> <td>&lt; 95% r.h., non-cond.</td> </tr> <tr> <td>Housing protection (EN60529)</td> <td>IP31</td> </tr> <tr> <td>Housing material</td> <td>ABS</td> </tr> <tr> <td>Radio module</td> <td>W7BT10</td> </tr> <tr> <td>Communication type</td> <td>bidirectional</td> </tr> <tr> <td>Communication range</td> <td>unlimited (EasyRouting)</td> </tr> <tr> <td>Data sheet</td> <td>009092</td> </tr> </table>	Battery supply	from W7BT10	Battery lifetime	up to 4 years	Detection range	up to 8 m radius	Operating temperature	-10 ~ +55 °C	Air humidity (EN 60721)	< 95% r.h., non-cond.	Housing protection (EN60529)	IP31	Housing material	ABS	Radio module	W7BT10	Communication type	bidirectional	Communication range	unlimited (EasyRouting)	Data sheet	009092	<p>A5Q00001900</p>
Battery supply	from W7BT10																						
Battery lifetime	up to 4 years																						
Detection range	up to 8 m radius																						
Operating temperature	-10 ~ +55 °C																						
Air humidity (EN 60721)	< 95% r.h., non-cond.																						
Housing protection (EN60529)	IP31																						
Housing material	ABS																						
Radio module	W7BT10																						
Communication type	bidirectional																						
Communication range	unlimited (EasyRouting)																						
Data sheet	009092																						
<p><b>W7IO22</b></p>  <p><b>SiRoute® input/output module 2/2</b></p> <p>Without radio module, to be addressed to the SiRoute® E-Bus gateway W7EG10. The SiRoute input/output module 2/2 provides 2 inputs, which can be set with a jumper for either normally-open (NO) or normally-closed (NC) operation. The device provides also 2 potential free outputs controlled by the radio module. The housing provides cable entries and strain relieves.</p> <table border="0"> <tr> <td>Battery supply</td> <td>from W7BT10</td> </tr> <tr> <td>Battery lifetime</td> <td>up to 4 years</td> </tr> <tr> <td>Specific data</td> <td>2 inputs, NO/NC selectable by jumpers (default NO) 2 outputs, potential free contacts, max. 140 VDC / 1 A / 30 W</td> </tr> <tr> <td>Operating temperature</td> <td>-10 ~ +55 °C</td> </tr> <tr> <td>Air humidity (EN 60721)</td> <td>&lt; 95% r.h., non-cond.</td> </tr> <tr> <td>Housing protection (EN60529)</td> <td>IP42</td> </tr> <tr> <td>Housing material</td> <td>ABS</td> </tr> <tr> <td>Radio module</td> <td>W7BT10</td> </tr> <tr> <td>Communication type</td> <td>bidirectional</td> </tr> <tr> <td>Communication range</td> <td>unlimited (EasyRouting)</td> </tr> <tr> <td>Data sheet</td> <td>009092</td> </tr> </table>	Battery supply	from W7BT10	Battery lifetime	up to 4 years	Specific data	2 inputs, NO/NC selectable by jumpers (default NO) 2 outputs, potential free contacts, max. 140 VDC / 1 A / 30 W	Operating temperature	-10 ~ +55 °C	Air humidity (EN 60721)	< 95% r.h., non-cond.	Housing protection (EN60529)	IP42	Housing material	ABS	Radio module	W7BT10	Communication type	bidirectional	Communication range	unlimited (EasyRouting)	Data sheet	009092	<p>A5Q00001903</p>
Battery supply	from W7BT10																						
Battery lifetime	up to 4 years																						
Specific data	2 inputs, NO/NC selectable by jumpers (default NO) 2 outputs, potential free contacts, max. 140 VDC / 1 A / 30 W																						
Operating temperature	-10 ~ +55 °C																						
Air humidity (EN 60721)	< 95% r.h., non-cond.																						
Housing protection (EN60529)	IP42																						
Housing material	ABS																						
Radio module	W7BT10																						
Communication type	bidirectional																						
Communication range	unlimited (EasyRouting)																						
Data sheet	009092																						

## Intrusion Panels

### Wireless Systems

### SiRoute




Type	Order No.																						
<b>W7IR90</b> 	<b>A5Q00001848</b>																						
<p><b>SiRoute® PIR motion detector</b></p> <p>Without radio module, to be addressed to the SiRoute® E-Bus gateway W7EG10. The SiRoute PIR (passive infrared) motion detector is supplied with a 12 m wide-angle fresnel lens as standard, which can be quickly replaced by an 18 m long-range lens (accessory). Easy installation in a corner is possible with the corner mounting bracket W7UM20 (accessory, 5 pcs. each set). The detector has an LED, which indicates the alarm state in walk test mode. The sensitivity, high, low or remote (from the control panel) can be selected by jumper.</p> <table border="0"> <tr> <td>Battery supply</td> <td>from W7BT10</td> </tr> <tr> <td>Battery lifetime</td> <td>up to 4 years</td> </tr> <tr> <td>Detection range</td> <td>12 m volumetric (standard) 18 m long range (accessory)</td> </tr> <tr> <td>Operating temperature</td> <td>-10 ~ +55 °C</td> </tr> <tr> <td>Air humidity (EN 60721)</td> <td>&lt; 95% r.h., non-cond.</td> </tr> <tr> <td>Housing protection (EN60529)</td> <td>IP42</td> </tr> <tr> <td>Housing material</td> <td>ABS</td> </tr> <tr> <td>Radio module</td> <td>W7BT10</td> </tr> <tr> <td>Communication type</td> <td>bidirectional</td> </tr> <tr> <td>Communication range</td> <td>unlimited (EasyRouting)</td> </tr> <tr> <td>Data sheet</td> <td>009092</td> </tr> </table>	Battery supply	from W7BT10	Battery lifetime	up to 4 years	Detection range	12 m volumetric (standard) 18 m long range (accessory)	Operating temperature	-10 ~ +55 °C	Air humidity (EN 60721)	< 95% r.h., non-cond.	Housing protection (EN60529)	IP42	Housing material	ABS	Radio module	W7BT10	Communication type	bidirectional	Communication range	unlimited (EasyRouting)	Data sheet	009092	
Battery supply	from W7BT10																						
Battery lifetime	up to 4 years																						
Detection range	12 m volumetric (standard) 18 m long range (accessory)																						
Operating temperature	-10 ~ +55 °C																						
Air humidity (EN 60721)	< 95% r.h., non-cond.																						
Housing protection (EN60529)	IP42																						
Housing material	ABS																						
Radio module	W7BT10																						
Communication type	bidirectional																						
Communication range	unlimited (EasyRouting)																						
Data sheet	009092																						
<b>W7MK100</b> 	<b>A5Q00001901</b>																						
<p><b>SiRoute® door contact</b></p> <p>The SiRoute® wireless door contact has 3 reed contacts. This allows different positions of the housing for a great flexibility when installing the contact. The contact is designed for use on doors. One magnet is supplied with the contact. Spare contacts W7MK105 are available (5pcs/set).</p> <table border="0"> <tr> <td>Battery supply</td> <td>from W7BT10</td> </tr> <tr> <td>Battery lifetime</td> <td>up to 4 years</td> </tr> <tr> <td>Detection type</td> <td>magnetic contact</td> </tr> <tr> <td>Operating temperature</td> <td>-10 ~ +55 °C</td> </tr> <tr> <td>Air humidity (EN 60721)</td> <td>&lt; 95% r.h., non-cond.</td> </tr> <tr> <td>Housing protection (EN60529)</td> <td>IP31</td> </tr> <tr> <td>Housing material</td> <td>ABS</td> </tr> <tr> <td>Radio module</td> <td>W7BT10</td> </tr> <tr> <td>Communication type</td> <td>bidirectional</td> </tr> <tr> <td>Communication range</td> <td>unlimited (EasyRouting)</td> </tr> <tr> <td>Data sheet</td> <td>009092</td> </tr> </table>	Battery supply	from W7BT10	Battery lifetime	up to 4 years	Detection type	magnetic contact	Operating temperature	-10 ~ +55 °C	Air humidity (EN 60721)	< 95% r.h., non-cond.	Housing protection (EN60529)	IP31	Housing material	ABS	Radio module	W7BT10	Communication type	bidirectional	Communication range	unlimited (EasyRouting)	Data sheet	009092	
Battery supply	from W7BT10																						
Battery lifetime	up to 4 years																						
Detection type	magnetic contact																						
Operating temperature	-10 ~ +55 °C																						
Air humidity (EN 60721)	< 95% r.h., non-cond.																						
Housing protection (EN60529)	IP31																						
Housing material	ABS																						
Radio module	W7BT10																						
Communication type	bidirectional																						
Communication range	unlimited (EasyRouting)																						
Data sheet	009092																						
<b>W7MK105</b>	<b>A5Q00002782</b>																						
<p><b>SiRoute® magnet for W7MK100 (5 pcs)</b></p> <p>Spare/replacement part for W7MK100</p>																							

# Intrusion Panels

## Wireless Systems

### SiRoute




Type	Order No.																								
<p><b>W7OP303</b></p>  <p><b>SiRoute® smoke detector</b></p> <p>The SiRoute® wireless optical smoke detector is based on light scattering by smoke particles. Designed for low power consumption it is powered by the batteries of the radio module. The smoke sensitivity is 2.5%/m. An LED indicates the alarm state in test mode.</p> <table border="0"> <tr><td>Battery supply</td><td>from W7BT11</td></tr> <tr><td>Battery lifetime</td><td>up to 4 years</td></tr> <tr><td>Smoke sensitivity</td><td>2.5%/m</td></tr> <tr><td>Operating temperature</td><td>-10 ~ +55 °C</td></tr> <tr><td>Air humidity (EN 60721)</td><td>&lt; 95% r.h., non-cond.</td></tr> <tr><td>Housing protection (EN60529)</td><td>IP44</td></tr> <tr><td>Housing material</td><td>ABS</td></tr> <tr><td>Radio module</td><td>W7BT11</td></tr> <tr><td>Communication type</td><td>bidirectional</td></tr> <tr><td>Communication range</td><td>unlimited (EasyRouting)</td></tr> <tr><td>Data sheet</td><td>009092</td></tr> </table>	Battery supply	from W7BT11	Battery lifetime	up to 4 years	Smoke sensitivity	2.5%/m	Operating temperature	-10 ~ +55 °C	Air humidity (EN 60721)	< 95% r.h., non-cond.	Housing protection (EN60529)	IP44	Housing material	ABS	Radio module	W7BT11	Communication type	bidirectional	Communication range	unlimited (EasyRouting)	Data sheet	009092	<p><b>A5Q00001898</b></p>		
Battery supply	from W7BT11																								
Battery lifetime	up to 4 years																								
Smoke sensitivity	2.5%/m																								
Operating temperature	-10 ~ +55 °C																								
Air humidity (EN 60721)	< 95% r.h., non-cond.																								
Housing protection (EN60529)	IP44																								
Housing material	ABS																								
Radio module	W7BT11																								
Communication type	bidirectional																								
Communication range	unlimited (EasyRouting)																								
Data sheet	009092																								
<p><b>W7RC10</b></p>  <p><b>SiRoute® remote control</b></p> <p>The multifunctional SiRoute® remote control is smaller than a credit card and only few mm thick, with indications by 3 LEDs. It has 7 keys for standard controls as well as emergency (panic alarm). This handheld can be secured by programming a PIN code.</p> <table border="0"> <tr><td>Battery supply</td><td>1 x 3 V Li</td></tr> <tr><td>Battery type</td><td>CR2032</td></tr> <tr><td>Battery lifetime</td><td>up to 5 years</td></tr> <tr><td>Specific data</td><td>7 operating keys, 3 indication LEDs</td></tr> <tr><td>Operating temperature</td><td>-10 ~ +55 °C</td></tr> <tr><td>Air humidity (EN 60721)</td><td>&lt; 95% r.h., non-cond.</td></tr> <tr><td>Housing protection (EN60529)</td><td>IP55</td></tr> <tr><td>Housing material</td><td>ABS / PC</td></tr> <tr><td>Radio module</td><td>integrated</td></tr> <tr><td>Communication type</td><td>unidirectional</td></tr> <tr><td>Communication range</td><td>unlimited (EasyRouting)</td></tr> <tr><td>Data sheet</td><td>009092</td></tr> </table>	Battery supply	1 x 3 V Li	Battery type	CR2032	Battery lifetime	up to 5 years	Specific data	7 operating keys, 3 indication LEDs	Operating temperature	-10 ~ +55 °C	Air humidity (EN 60721)	< 95% r.h., non-cond.	Housing protection (EN60529)	IP55	Housing material	ABS / PC	Radio module	integrated	Communication type	unidirectional	Communication range	unlimited (EasyRouting)	Data sheet	009092	<p><b>A5Q00002974</b></p>
Battery supply	1 x 3 V Li																								
Battery type	CR2032																								
Battery lifetime	up to 5 years																								
Specific data	7 operating keys, 3 indication LEDs																								
Operating temperature	-10 ~ +55 °C																								
Air humidity (EN 60721)	< 95% r.h., non-cond.																								
Housing protection (EN60529)	IP55																								
Housing material	ABS / PC																								
Radio module	integrated																								
Communication type	unidirectional																								
Communication range	unlimited (EasyRouting)																								
Data sheet	009092																								
<p><b>W7SR10</b></p>  <p><b>SiRoute® indoor siren</b></p> <p>The SiRoute® indoor siren has a small size but offers a high sound level of 80 dB at 3 m distances. It is powered by the radio module battery.</p> <table border="0"> <tr><td>Battery supply</td><td>from W7BT10</td></tr> <tr><td>Battery lifetime</td><td>up to 4 years</td></tr> <tr><td>Sound level</td><td>80 dB @ 3 m</td></tr> <tr><td>Operating temperature</td><td>-10 ~ +55 °C</td></tr> <tr><td>Air humidity (EN 60721)</td><td>&lt; 95% r.h., non-cond.</td></tr> <tr><td>Housing protection (EN60529)</td><td>IP31</td></tr> <tr><td>Housing material</td><td>ABS</td></tr> <tr><td>Radio module</td><td>W7BT10</td></tr> <tr><td>Communication type</td><td>bidirectional</td></tr> <tr><td>Communication range</td><td>unlimited (EasyRouting)</td></tr> <tr><td>Data sheet</td><td>009092</td></tr> </table>	Battery supply	from W7BT10	Battery lifetime	up to 4 years	Sound level	80 dB @ 3 m	Operating temperature	-10 ~ +55 °C	Air humidity (EN 60721)	< 95% r.h., non-cond.	Housing protection (EN60529)	IP31	Housing material	ABS	Radio module	W7BT10	Communication type	bidirectional	Communication range	unlimited (EasyRouting)	Data sheet	009092	<p><b>A5Q00001904</b></p>		
Battery supply	from W7BT10																								
Battery lifetime	up to 4 years																								
Sound level	80 dB @ 3 m																								
Operating temperature	-10 ~ +55 °C																								
Air humidity (EN 60721)	< 95% r.h., non-cond.																								
Housing protection (EN60529)	IP31																								
Housing material	ABS																								
Radio module	W7BT10																								
Communication type	bidirectional																								
Communication range	unlimited (EasyRouting)																								
Data sheet	009092																								

## Intrusion Panels

### Wireless Systems

### SiRoute




Type	Order No.																								
W7SR15	A5Q00003953																								
	<p><b>SiRoute® outdoor siren</b></p> <p>The weatherproof SiRoute® outdoor siren features its own battery power source and an integrated radio module. It provides a siren tone and a flashing warning light. Several settings are possible with jumpers. The siren can be activated with no time limit, during max. 3 min. or can be disabled. The strobe can follow the siren activation, can be activated separately or can be disabled.</p> <table border="0"> <tr> <td>Battery supply</td> <td>4 x 1.5 V</td> </tr> <tr> <td>Battery type</td> <td>D (LR20)</td> </tr> <tr> <td>Battery lifetime</td> <td>up to 4 years</td> </tr> <tr> <td>Sound level</td> <td>100 dB @ 3 m</td> </tr> <tr> <td>Operating temperature</td> <td>-10 ~ +55 °C</td> </tr> <tr> <td>Air humidity (EN 60721)</td> <td>&lt; 95% r.h., non-cond.</td> </tr> <tr> <td>Housing protection (EN60529)</td> <td>IP34</td> </tr> <tr> <td>Housing material</td> <td>PE / PC</td> </tr> <tr> <td>Radio module</td> <td>integrated</td> </tr> <tr> <td>Communication type</td> <td>bidirectional</td> </tr> <tr> <td>Communication range</td> <td>unlimited (EasyRouting)</td> </tr> <tr> <td>Data sheet</td> <td>009092</td> </tr> </table>	Battery supply	4 x 1.5 V	Battery type	D (LR20)	Battery lifetime	up to 4 years	Sound level	100 dB @ 3 m	Operating temperature	-10 ~ +55 °C	Air humidity (EN 60721)	< 95% r.h., non-cond.	Housing protection (EN60529)	IP34	Housing material	PE / PC	Radio module	integrated	Communication type	bidirectional	Communication range	unlimited (EasyRouting)	Data sheet	009092
Battery supply	4 x 1.5 V																								
Battery type	D (LR20)																								
Battery lifetime	up to 4 years																								
Sound level	100 dB @ 3 m																								
Operating temperature	-10 ~ +55 °C																								
Air humidity (EN 60721)	< 95% r.h., non-cond.																								
Housing protection (EN60529)	IP34																								
Housing material	PE / PC																								
Radio module	integrated																								
Communication type	bidirectional																								
Communication range	unlimited (EasyRouting)																								
Data sheet	009092																								
W7UM10	A5Q00003601																								
<p><b>SiRoute® universal mounting base (set 10 pcs.)</b></p> <p>Spare/replacement part for W7BT10/11</p>																									
W7UM20	A5Q00003624																								
<p><b>SiRoute® corner mounting bracket (5pcs.)</b></p> <p>Accessory for W7BT10 typically used together with PIR motion detector W7IR90.</p>																									
LLR12	BPZ:5029220001																								
<p><b>SiRoute® long range fresnel lens (3 pcs.)</b></p> <p>Accessory for PIR motion detector W7IR90</p>																									

# Intrusion Panels

## Keypads

### LCD / LED Keypads





Type	Order No.
<p><b>SAK21</b></p> <p><b>LED keypad</b></p> <p>The LED keypad is used wherever extra arm/disarm facilities are required.</p>  <p>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</p>	<p><b>A6E80117410</b></p>
<p><b>SAK41</b></p> <p><b>LCD keypad with flap</b></p> <p>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.</p>  <p>Operating power (nominal) 12 VDC via E-Bus            Current consumption: minimum 34 mA            Current consumption: maximum 114 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</p>	<p><b>BPZ:8006590001</b></p>
<p><b>SAK51</b></p> <p><b>LCD keypad</b></p> <p>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.</p>  <p>Operating power (nominal) 12 VDC via E-Bus            Current consumption: minimum 34 mA            Current consumption: maximum 114 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</p>	<p><b>BPZ:8006630001</b></p>

# Intrusion Panels

## Keypads

### LCD / LED Keypads

Type	Order No.																				
<p><b>SAK52</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>34 mA</td> </tr> <tr> <td>Current consumption: maximum</td> <td>115 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> </table>	Operating power (nominal)	12 VDC via E-Bus	Current consumption: minimum	34 mA	Current consumption: maximum	115 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	<p><b>BPZ:8006930001</b></p>
Operating power (nominal)	12 VDC via E-Bus																				
Current consumption: minimum	34 mA																				
Current consumption: maximum	115 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																				
<p><b>SAK53</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, war, "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>34 mA</td> </tr> <tr> <td>Current consumption: maximum</td> <td>115 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> </table>	Operating power (nominal)	12 VDC via E-Bus	Current consumption: minimum	34 mA	Current consumption: maximum	115 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	<p><b>BPZ:8006940001</b></p>
Operating power (nominal)	12 VDC via E-Bus																				
Current consumption: minimum	34 mA																				
Current consumption: maximum	115 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																				

# Intrusion Panels

## Keypads

### Keypad Language Kits



Type		Order No.
SLK21D	Language kit for SAK21 German	BPZ:8000910001
SLK21F	Language kit for SAK21 French	BPZ:8009630001
SLK41D	Language kit for SAK41 German	BPZ:8002610001
SLK51/52D	Language kit for SAK51/52 German	A6E80113620
SLK51/52F	Language kit for SAK51/52 French	A6E80112420
SLK53D	Language kit for SAK53 German	BPZ:8011140001
SLK53F	Language kit for SAK53 French	BPZ:8011150001






# Intrusion Panels

## Alarm Verification Devices

### Audio Alarm Verification






Type	Order No.																																		
<b>WAC11</b> 	<b>BPZ:8000110001</b>																																		
<b>Two-way audio unit loudspeaker and microphone</b>																																			
<p>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.</p>																																			
<table border="0"> <tr> <td>Supply</td> <td>via audio of WAC12</td> </tr> <tr> <td>Current consumption: maximum</td> <td>7 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>105 x 145 x 70 mm</td> </tr> <tr> <td>Weight</td> <td>0.240 kg</td> </tr> </table>	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																					
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																																		
<b>WAC12</b> 	<b>BPZ:8007720001</b>																																		
<b>Addressable two-way audio unit loudspeaker and microphone</b>																																			
<p>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.</p>																																			
<table border="0"> <tr> <td>Supply</td> <td>via E-Bus</td> </tr> <tr> <td>Current consumption: minimum</td> <td>5 mA</td> </tr> <tr> <td>Current consumption: maximum</td> <td>24 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>105 x 145 x 70 mm</td> </tr> <tr> <td>Weight</td> <td>0.240 kg</td> </tr> </table>	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																			
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																																		
<b>WAC32</b> 	<b>BPZ:8001750001</b>																																		
<b>E-Bus camera</b>																																			
<p>The WAC32 includes a camera, a loudspeaker and a microphone. The camera does not depend on surrounding lighting due to integrated infrared lighting. Therefore the WAC32 is especially suited to difficult ambient conditions.</p>																																			
<table border="0"> <tr> <td>Supply</td> <td>via E-Bus</td> </tr> <tr> <td>Supply for camera and IR diodes</td> <td>NiCd battery charged via E-Bus</td> </tr> <tr> <td>Current consumption (via E-Bus)</td> <td>min. 15 mA, max. 1000 mA</td> </tr> <tr> <td>Address selection</td> <td>programmable</td> </tr> <tr> <td>Connection: E-Bus</td> <td>2 pairs</td> </tr> <tr> <td>Connection: audio</td> <td>1 pair</td> </tr> <tr> <td>Connection: video</td> <td>1 pair</td> </tr> <tr> <td>Loudspeaker</td> <td>2 W</td> </tr> <tr> <td>Listen-in</td> <td>indicated via LED</td> </tr> <tr> <td>Camera</td> <td>LCD 1/3"; 0.5 Lux; 300000 pixels</td> </tr> <tr> <td>Camera lens</td> <td>3.8 mm</td> </tr> <tr> <td>IR lighting</td> <td>12 diodes</td> </tr> <tr> <td>Operating temperature</td> <td>0 ~ +40 °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>85 x 215 x 120 mm</td> </tr> <tr> <td>Weight</td> <td>0.450 kg</td> </tr> </table>	Supply	via E-Bus	Supply for camera and IR diodes	NiCd battery charged via E-Bus	Current consumption (via E-Bus)	min. 15 mA, max. 1000 mA	Address selection	programmable	Connection: E-Bus	2 pairs	Connection: audio	1 pair	Connection: video	1 pair	Loudspeaker	2 W	Listen-in	indicated via LED	Camera	LCD 1/3"; 0.5 Lux; 300000 pixels	Camera lens	3.8 mm	IR lighting	12 diodes	Operating temperature	0 ~ +40 °C	Housing	ABS	Housing protection	IP30	Dimensions (W x H x D)	85 x 215 x 120 mm	Weight	0.450 kg	
Supply	via E-Bus																																		
Supply for camera and IR diodes	NiCd battery charged via E-Bus																																		
Current consumption (via E-Bus)	min. 15 mA, max. 1000 mA																																		
Address selection	programmable																																		
Connection: E-Bus	2 pairs																																		
Connection: audio	1 pair																																		
Connection: video	1 pair																																		
Loudspeaker	2 W																																		
Listen-in	indicated via LED																																		
Camera	LCD 1/3"; 0.5 Lux; 300000 pixels																																		
Camera lens	3.8 mm																																		
IR lighting	12 diodes																																		
Operating temperature	0 ~ +40 °C																																		
Housing	ABS																																		
Housing protection	IP30																																		
Dimensions (W x H x D)	85 x 215 x 120 mm																																		
Weight	0.450 kg																																		

# Intrusion Panels

## Alarm Verification Devices

### Audio Alarm Verification

Type	Order No.																												
<p><b>WAS11</b></p>  <p><b>Microphone unit</b></p> <p>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.</p> <table border="0"> <tr> <td>Power supply</td> <td>via audio of WAC12</td> </tr> <tr> <td>Operating temperature</td> <td>-10 ~ +55 °C</td> </tr> <tr> <td>Current consumption</td> <td>0 mA (quiescent state) 3 mA (activated)</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>77 x 77 x 35 mm</td> </tr> <tr> <td>Weight</td> <td>0.070 kg</td> </tr> </table>	Power supply	via audio of WAC12	Operating temperature	-10 ~ +55 °C	Current consumption	0 mA (quiescent state) 3 mA (activated)	Housing	ABS	Housing protection	IP30	Dimensions (W x H x D)	77 x 77 x 35 mm	Weight	0.070 kg	<p><b>BPZ:8005230001</b></p>														
Power supply	via audio of WAC12																												
Operating temperature	-10 ~ +55 °C																												
Current consumption	0 mA (quiescent state) 3 mA (activated)																												
Housing	ABS																												
Housing protection	IP30																												
Dimensions (W x H x D)	77 x 77 x 35 mm																												
Weight	0.070 kg																												
<p><b>WAT21</b></p>  <p><b>Video camera interface</b></p> <p>The WAT21 E-Bus connection is used to connect a Siemens or industry-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> </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	<p><b>BPZ:8002150001</b></p>
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																												
<p><b>WAV61</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 WAC32 or 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> </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	<p><b>BPZ:8003430001</b></p>								
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																												

# Intrusion Panels

## Alarm Verification Devices

### Audio Alarm Verification



Type	Order No.												
<b>WMA11</b> 	<b>BPZ:8000310001</b>												
<b>Plug-on audio module</b>													
<p>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.</p>													
<table border="0"> <tr> <td>Supply</td> <td>via main circuit board</td> </tr> <tr> <td>Current consumption</td> <td>10 mA (quiescent state) 100 mA (activated)</td> </tr> <tr> <td>Operating temperature</td> <td>0 ~ +40 °C</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>113 x 60 x 26 mm</td> </tr> <tr> <td>Weight</td> <td>0.060 kg</td> </tr> </table>	Supply	via main circuit board	Current consumption	10 mA (quiescent state) 100 mA (activated)	Operating temperature	0 ~ +40 °C	Dimensions (W x H x D)	113 x 60 x 26 mm	Weight	0.060 kg			
Supply	via main circuit board												
Current consumption	10 mA (quiescent state) 100 mA (activated)												
Operating temperature	0 ~ +40 °C												
Dimensions (W x H x D)	113 x 60 x 26 mm												
Weight	0.060 kg												
<b>WMV12</b> 	<b>BPZ:8000040010</b>												
<b>Plug-on video module</b>													
<p>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.</p>													
<table border="0"> <tr> <td>Supply</td> <td>via main circuit board</td> </tr> <tr> <td>Current consumption</td> <td>8 mA (quiescent state) 160 mA (in alarm)</td> </tr> <tr> <td>Operating temperature</td> <td>0 ~ +40 °C</td> </tr> <tr> <td>Housing material</td> <td>ABS</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>130 x 118 x 24 mm</td> </tr> <tr> <td>Weight</td> <td>0.130 kg</td> </tr> </table>	Supply	via main circuit board	Current consumption	8 mA (quiescent state) 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	
Supply	via main circuit board												
Current consumption	8 mA (quiescent state) 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												

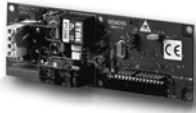





# Intrusion Panels

## Panel Accessories

### Communication Modules





Type	Order No.
<p><b>SML51TBR</b></p>  <p><b>Analog PSTN dialing device</b></p> <p>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.</p> <p>Power supply via main circuit board            Current consumption: minimum 4 mA            Current consumption: maximum 82 mA            Operating temperature -10 ~ +55 °C            Weight 0.070 kg</p>	<p><b>BPZ:8003480001</b></p>
<p><b>SML51PL</b></p>  <p><b>Communicator Polish PTT specifications</b></p> <p>As SML51TBR for technical details, but approved according to Polish PTT specifications.</p>	<p><b>BPZ:8003210001</b></p>
<p><b>SML61</b></p>  <p><b>ISDN dialing devices</b></p> <p>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.</p> <p>Supply via main circuit board            Current consumption: minimum 4 mA            Current consumption: maximum 82 mA            Operating temperature 0 ~ +40 °C            Weight 0.070 kg</p>	<p><b>BPZ:8003970001</b></p>
<p><b>SMN36</b></p>  <p><b>IP-Interface module</b></p> <p>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.</p> <p>Supply via main circuit board            Current consumption: minimum 82 mA            Current consumption: maximum 140 mA            Operating temperature 0 ~ +40 °C            Weight 0.070 kg</p>	<p><b>A6E80117810</b></p>

# Intrusion Panels

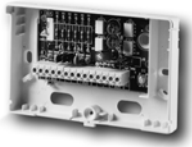


## Panel Accessories

### E-Bus Components

Type	Order No.																		
<b>SMG71</b> 	<b>BPZ:800660001</b>																		
<p><b>Card reader E-Bus interface</b></p> <p>The SMG71 is used to connect Wiegand readers to the Sintony 410. 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. It is installed in the control panel housing, in the external supply or in the universal housing unit SAH24.</p> <table border="0"> <tr> <td>Supply</td> <td>via E-Bus</td> </tr> <tr> <td>Current consumption: minimum</td> <td>11 mA</td> </tr> <tr> <td>Current consumption: maximum</td> <td>35 mA</td> </tr> <tr> <td>Card readers protocols accepted</td> <td>Wiegand and ABA Track 2</td> </tr> <tr> <td>Number of card reader</td> <td>max. 2 per interface</td> </tr> <tr> <td>Operating temperature</td> <td>-10 ~ +55° C</td> </tr> <tr> <td>Housing protection</td> <td>IP30</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>156 x 55 x 20 mm</td> </tr> <tr> <td>Weight</td> <td>0.120 kg</td> </tr> </table>	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	
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																		
<b>SAG91</b> 	<b>BPZ:800974001</b>																		
<p><b>E-Bus concentrator</b></p> <p>The SAG91 can be used to increase the number of conventional inputs in the Sintony 410. A single system can manage 4 SAG91 units and each extension allows for connecting 20 SAT12 or SMT12 modules.</p> <table border="0"> <tr> <td>Supply</td> <td>via E-Bus</td> </tr> <tr> <td>Current consumption: minimum</td> <td>11 mA</td> </tr> <tr> <td>Current consumption: maximum</td> <td>40 mA</td> </tr> <tr> <td>Operating temperature</td> <td>-10 ~ +55° C</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> </table>	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					
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																		

Intrusion Panels  
Panel Accessories  
Optional Modules






Type	Order No.
<p><b>SAR11</b></p>  <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> <p>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</p>	<p><b>BPZ:8000990001</b></p>
<p><b>SMR11</b></p> <p><b>Isolator/repeater E-Bus board only</b></p> <p>As SAR11 for technical details, but board only and with the following differences:</p> <p>Dimensions (W x H x D) 90 x 52 x 20 mm            Weight 0.050 kg</p>	<p><b>BPZ:8001090001</b></p>
<p><b>SMR13VDS</b></p> <p><b>Isolator/repeater E-Bus board only</b></p> <p>As SMR11 for technical details, but board only, VDS approved and equipped with 3 E-Bus branches (instead of 2)</p>	<p><b>BPZ:8003900001</b></p>
<p><b>SAT12</b></p>  <p><b>Transponder in housing</b></p> <p>Sintony control panel extension by 4 programmable inputs and 2 outputs via the E-Bus. 2 of these inputs can be used to connect glass break detectors.</p> <p>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</p>	<p><b>BPZ:8006150001</b></p>
<p><b>SMT12</b></p>  <p><b>Transponder board only</b></p> <p>As SAT12 for technical details, but board only and with the following differences:</p> <p>Dimensions (W x H x D) 90 x 52 x 20 mm            Weight 0.050 kg</p>	<p><b>BPZ:8006160001</b></p>

## Intrusion Panels



### Panel Accessories

### Optional Modules

Type	Order No.																						
<b>SMT44</b> 	<b>BPZ:8006730001</b>																						
<p><b>Output transponder board only</b></p> <p>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.</p> <table border="0"> <tr> <td>Power supply</td> <td>via E-bus</td> </tr> <tr> <td>Current consumption: minimum</td> <td>42 mA</td> </tr> <tr> <td>Current consumption: maximum</td> <td>66 mA</td> </tr> <tr> <td>Output types: 4 open collectors</td> <td>12 VDC / 150 mA</td> </tr> <tr> <td>Output types: 4 relays</td> <td>24 VDC / 2 A</td> </tr> <tr> <td>Operating temperature</td> <td>-10 ~ +55 °C</td> </tr> <tr> <td>Housing protection</td> <td>IP30</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>156 x 55 x 20 mm</td> </tr> <tr> <td>Weight</td> <td>0.090 kg</td> </tr> </table>	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					
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																						
<b>SAP08</b> 	<b>BPZ:8006170001</b>																						
<p><b>Power supply in housing 12 VDC / 0.7 A</b></p> <p>The external power supply SAP14 includes a bus-monitored 12 VDC / 0.7 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.</p> <table border="0"> <tr> <td>Mains</td> <td>230 V / + 10%/- 15% / 50 Hz</td> </tr> <tr> <td>Current consumption (230 V)</td> <td>160 mA</td> </tr> <tr> <td>Mains fuse</td> <td>160 mA slow</td> </tr> <tr> <td>Output voltage</td> <td>12 VDC / 0.7 A</td> </tr> <tr> <td>Relay contact, single pole</td> <td>48 V / 5 A</td> </tr> <tr> <td>Battery (optional)</td> <td>max. 12 V / 17 Ah</td> </tr> <tr> <td>Operating temperature</td> <td>0 ~ +40 °C</td> </tr> <tr> <td>Housing material</td> <td>painted steel, 1.5 mm thick</td> </tr> <tr> <td>Housing protection</td> <td>IP30</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>303 x 405 x 88 mm</td> </tr> <tr> <td>Weight (without battery)</td> <td>5.200 kg</td> </tr> </table>	Mains	230 V / + 10%/- 15% / 50 Hz	Current consumption (230 V)	160 mA	Mains fuse	160 mA slow	Output voltage	12 VDC / 0.7 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)	5.200 kg	
Mains	230 V / + 10%/- 15% / 50 Hz																						
Current consumption (230 V)	160 mA																						
Mains fuse	160 mA slow																						
Output voltage	12 VDC / 0.7 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)	5.200 kg																						
<b>SAP14</b> 	<b>BPZ:8003160001</b>																						
<p><b>Power supply in housing 12 VDC / 1.3 A</b></p> <p>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.</p> <table border="0"> <tr> <td>Mains</td> <td>230 V / + 10%/- 15% / 50 Hz</td> </tr> <tr> <td>Current consumption (230 V)</td> <td>160 mA</td> </tr> <tr> <td>Mains fuse</td> <td>200 mA slow</td> </tr> <tr> <td>Output voltage</td> <td>12 VDC / 1.3 A</td> </tr> <tr> <td>Relay contact, single pole</td> <td>48 V / 5 A</td> </tr> <tr> <td>Battery (optional)</td> <td>max. 12 V / 17 Ah</td> </tr> <tr> <td>Operating temperature</td> <td>0 ~ +40 °C</td> </tr> <tr> <td>Housing material</td> <td>painted steel, 1.5 mm thick</td> </tr> <tr> <td>Housing protection</td> <td>IP30</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>303 x 405 x 88 mm</td> </tr> <tr> <td>Weight (without battery)</td> <td>5.400 kg</td> </tr> </table>	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	
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																						

Intrusion Panels  
Panel Accessories  
Optional Modules



Type	Order No.																																
<p><b>SAP20</b></p>  <p><b>Power supply in housing 12 VDC / 2.3 A</b></p> <p>The external power supply SAP14 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.</p> <table border="0"> <tr> <td>Mains</td> <td>230 V / + 10%/- 15% / 50 Hz</td> </tr> <tr> <td>Current consumption (230 V)</td> <td>230 mA</td> </tr> <tr> <td>Mains fuse</td> <td>500 mA slow</td> </tr> <tr> <td>Output voltage</td> <td>12 VDC / 2.3 A</td> </tr> <tr> <td>Relay contact, SPDT</td> <td>48 V / 5 A</td> </tr> <tr> <td>Battery (optional)</td> <td>max. 12 V / 27 Ah</td> </tr> <tr> <td>Operating temperature</td> <td>0 ~ +40 °C</td> </tr> <tr> <td>Housing material</td> <td>painted steel, 1.5 mm thick</td> </tr> <tr> <td>Housing protection</td> <td>IP30</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>365 x 500 x 133 mm</td> </tr> <tr> <td>Weight (without battery)</td> <td>8.400 kg</td> </tr> </table>	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 500 x 133 mm	Weight (without battery)	8.400 kg	<p><b>BPZ:8006880001</b></p>										
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 500 x 133 mm																																
Weight (without battery)	8.400 kg																																
<p><b>SAP25</b></p>  <p><b>Power supply in housing 12 VDC / 2.3 A</b></p> <p>The power unit 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 SMT11 / SMR11 boards and 2 SMX13 modules.</p> <table border="0"> <tr> <td>Mains</td> <td>230 V / + 10%/- 15% / 50 Hz</td> </tr> <tr> <td>Current consumption (230 V)</td> <td>230 mA</td> </tr> <tr> <td>Mains fuse</td> <td>500 mA slow</td> </tr> <tr> <td>Output voltage</td> <td>12 VDC / 2.3 A</td> </tr> <tr> <td>Relay contact, SPDT</td> <td>48 V / 5 A</td> </tr> <tr> <td>Open collector output</td> <td>12 V / 100 mA</td> </tr> <tr> <td>3 supervised relay contacts</td> <td>12 V / 1 A</td> </tr> <tr> <td>Programmable inputs</td> <td>8</td> </tr> <tr> <td>EOL resistor</td> <td>4.7 kOhm</td> </tr> <tr> <td>Battery (optional)</td> <td>12 Vdc / 27 Ah</td> </tr> <tr> <td>Operating temperature</td> <td>0°C ~+50° C</td> </tr> <tr> <td>Housing material</td> <td>painted steel, 1.5 mm thick</td> </tr> <tr> <td>Housing protection</td> <td>IP30</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>395 x 555 x 133 mm</td> </tr> <tr> <td>Weight (without battery)</td> <td>9.900 kg</td> </tr> <tr> <td>Country</td> <td>for Germany and Switzerland only</td> </tr> </table>	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	<p><b>BPZ:8002930001</b></p>
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																																
<p><b>SML21</b></p> <p><b>PSTN line supervision module</b></p> <p>This optional module has been designed for SI210 and SI410/420 to allow permanent voltage and current monitoring of the PSTN telephone line.</p> <table border="0"> <tr> <td>Dimensions (W x H x D)</td> <td>50 x 31 x 20 mm</td> </tr> <tr> <td>Weight</td> <td>0.020 kg</td> </tr> </table>	Dimensions (W x H x D)	50 x 31 x 20 mm	Weight	0.020 kg	<p><b>BPZ:8000530001</b></p>																												
Dimensions (W x H x D)	50 x 31 x 20 mm																																
Weight	0.020 kg																																

## Intrusion Panels



### Panel Accessories

### Optional Modules

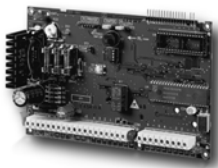

Type	Order No.
<b>SMV11</b>  	<b>BPZ:8000440001</b>
<p><b>Voice module</b></p> <p>The SMV11 stores 6 alarm messages, 4 help messages and an identification message, which can be record individually with the integrated microphone.</p> <p>Power supply from main circuit board</p> <p>Current consumption 3 mA (quiescent state) 23 mA (activated)</p> <p>Operating temperature -10 ~ +55 °C</p> <p>Dimensions (W x H x D) 106 x 60 x 26 mm</p> <p>Weight 0.060 kg</p>	
<b>SMX13</b>  	<b>BPZ:8009180001</b>
<p><b>Relay module</b></p> <p>The SMX13 has 2 potential-free relays with a change-over contact.</p> <p>Relay outputs 2</p> <p>- electrical characteristics max. 24 VDC / 2 A</p> <p>Relay outputs: type SPDT (change-over)</p> <p>Operating temperature -10 ~ +55 °C</p> <p>Dimensions (W x H x D) 60 x 38 x 40 mm</p> <p>Weight 0.030 kg</p>	
<b>SMX23</b>  	<b>BPZ:8003400001</b>
<p><b>Battery supervision module for SI110</b></p> <p>This optional module is only applicable for country versions which have this control panel option enabled.</p> <p>Test interval for battery 1 minute (supervision)</p> <p>Dimensions (W x H x D) 60 x 38 x 15 mm</p> <p>Weight 0.030 kg</p>	
<b>SMX26</b>  	<b>BPZ:8000330001</b>
<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> <p>Battery 9,5 VDC (cut off level)</p> <p>Dimensions (W x H x D) 60 x 38 x 15 mm</p> <p>Weight 0.030 kg</p>	

Intrusion Panels  
Panel Accessories  
Optional Modules



Type	Order No.
<b>SAQ11</b> 	<b>BPZ:8001960001</b>
<b>SAQ18</b> 	<b>BPZ:8006410001</b>

**Intrusion Panels**  
**Panel Accessories**  
**Control Panel Spare Parts**




Type		Order No.
SM110	Main board SI110 without Eprom	BPZ:8006960001
SM110D	PCB for SI110 with EPROM Germany	BPZ:8000470001
SM120	Main board SI120 without Eprom	BPZ:8008340001
		
SM210	Main board SI210 without EPROM	BPZ:8007030001
SM210D	PCB for SI210 with EPROM Germany	BPZ:8000290001
SM220	Main board SI220 without EPROM	BPZ:8008430001
		
SM320DE	PCB for SI320D with EPROM Germany	A6E80118620

Intrusion Panels  
 Panel Accessories  
 Control Panel Spare Parts



Type		Order No.
SM410	Main board SI410 without EPROM	BPZ:8007040001
		
SM410D	PCB for SI410 with EPROM Germany	BPZ:8005290001
SM410F	Main board SI410 without EPROM	BPZ:8005140001
SMP08	Power supply board 12 VDC / 0.7 A As SAP08 for technical details, but board only.	BPZ:8003610001
		
SMP14	Power unit 1.3 A module SMP14 As SAP14 for technical details, but board only.	BPZ:8002640001
		

Intrusion Panels  
 Panel Accessories  
 Control Panel Spare Parts


Type			Order No.
SMP20	<b>Power supply board 12 VDC / 2.3 A</b> As SAP20 for technical details, but board only.		BPZ:8006750001
			
SMP25	<b>Power supply board 12 VDC / 2.3 A</b> As SAP25 for technical details, but board only.		BPZ:8002800001
			
SAH11	<b>Housing for Sintony 120</b>		BPZ:8009760001
	Painted steel Room for battery Dimensions (W x H x D)	1.5 mm max. 7.2 Ah 266 x 334 x 75 mm	
SAH12	<b>Housing for Sintony 220</b>		BPZ:8001670001
	Painted steel Room for battery Dimensions (W x H x D)	1.5 mm max. 17 Ah 303 x 405 x 88 mm	

Intrusion Panels  
 Panel Accessories  
 Control Panel Spare Parts



Type		Order No.
SAH17	Housing for Sintony 410 max. 27 Ah	BPZ:8003260001
	Painted steel 1.5 mm Room for battery max. 27 Ah Dimensions (W x H x D) 365 x 505 x 133 mm	
SAH24	Housing for transponder and gateway PCB's	BPZ:8004370001
	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)  Housing ABS Dimensions (W x H x D) 215 x 130 x 35 mm	
SMU21	Transformer 20 V / 0.8 A	BPZ:8003740001
	Spare part for Sintony 100/200 panels and SAP08.	
SMU22	Transformer 19 V / 1.5 A	BPZ:8010240001
	Spare part for Sintony 220 panels and SAP14	
SMU31	Transformer 20 V / 2.5 A	BPZ:8003870001
	Spare part for Sintony 300/400 panels and SAP20/25	

Intrusion Panels  
Panel Accessories  
Control Panel Spare Parts

Type	Order No.
SMY11	BPZ:8003450001
	<p><b>Spacer</b> Spare part for metallic housings. Set of 10 pcs.</p>



# Intrusion Panels Batteries



Type	Order No.
<p><b>AB1201-2</b></p> <p><b>Battery 12V / 1.2 Ah</b></p>  <p>Maintenance free lead sealed acid batteries. Low rate of self-discharge. Position independent operation. Low internal resistance. High long-term stability. High ampere-hour capacity.</p> <p>Supply 12 V / 1.2 Ah Dimensions (W x H x D) 97 x 51 x 48 mm Weight 0.580 kg</p>	BPZ:5075290001
<p><b>AB1202-0</b></p> <p><b>Battery 12V / 2 Ah</b></p>  <p>As AB1201-2 for technical details, but with the following differences:</p> <p>Supply 12 V / 2 Ah Dimensions (W x H x D) 178 x 60 x 34 mm Weight 0.890 kg</p>	DE6:2254900001
<p><b>AB1207-2</b></p> <p><b>Battery 12V / 7.2 Ah</b></p>  <p>As AB1201-2 for technical details, but with the following differences:</p> <p>Supply 12 V / 7.20 Ah Dimensions (W x H x D) 151 x 94 x 65 mm Weight 2.600 kg</p>	BPZ:2254900001
<p><b>AB1212-0</b></p> <p><b>AB1212-0</b></p>  <p>As AB1201-2 for technical details, but with the following differences:</p> <p>Supply 12 V / 12.0 Ah Dimensions (W x H x D) 151 x 94 x 98 mm Weight 4.200 kg</p>	DE6:4843250001
<p><b>AB1215-0</b></p> <p><b>AB1215-0</b></p>  <p>As AB1201-2 for technical details, but with the following differences:</p> <p>Supply 12 V / 15.0 Ah Dimensions (W x H x D) 181 x 167 x 76 mm Weight 5.800 kg</p>	DE6:4755700001

# Intrusion Panels

## Batteries

Type	Order No.
<b>AB1227-0</b> 	<b>DE6:2254870001</b>
<b>AB1227-0</b> As AB1201-2 for technical details, but with the following differences: Supply 12 V / 27.0 Ah Dimensions (W x H x D) 175 x 125 x 166 mm Weight 8.600 kg	
<b>AB1242-0</b> 	<b>BPZ:4629360001</b>
<b>Battery 12 V / 42 Ah</b> As AB1201-2 for technical details, but with the following differences: Supply 12 V / 42.0 Ah Dimensions (W x H x D) 196 x 174 x 163 mm Weight 13.000 kg	

## Type Index

Type	Description	Order No.	Page
AB1201-2	Battery 12V / 1.2 Ah	BPZ:5075290001	12-1
AB1202-0	Battery 12V / 2 Ah	DE6:2254900001	12-1
AB1207-2	Battery 12V / 7.2 Ah	BPZ:2254900001	12-1
AB1212-0	Battery 12V / 12 Ah	DE6:4843250001	12-1
AB1215-0	Battery 12V / 15 Ah	DE6:4755700001	12-1
AB1227-0	Battery 12 V / 27 Ah	DE6:2254870001	12-2
AB1242-0	Battery 12 V / 42 Ah	BPZ:4629360001	12-2
AGB600	Audio glass break detector	A5Q00001591	4-1
AT11W	Alarm button for surface mounting (white)	BPZ:3889000001	5-7
AT11W A/7	Replacement paper disc for AT11W/ AT12W (10 pcs)	BPZ:4198240001	5-7
AT12W	Alarm button for recess mounting (white)	BPZ:3889130001	5-7
BM41	Electromechanical detector	BPZ:3221020001	5-3
BM46	Electronic detector	BPZ:5630000001	5-3
BM55	Electronic detector	BPZ:5635470001	5-4
BMD4/01	Steel wire, 1 mm diameter, 4 m long, adjustable	BPZ:3230590001	5-4
BMD4/02	Steel wire, 2 mm diameter, 4 m long, adjustable	BPZ:3230750001	5-4
BMV4	Connection element for two BM45 and/or two BM41	BPZ:3216950001	5-4
BMZ4	Extension hook, required when rail is recess mounted	BPZ:3302040001	5-4
BP-200F	Pole mounting cover for IS443, IS444 and IS445 beams	BPZ:5386240001	2-6
BP-60TE	Pole mounting cover for beams	BPZ:5386370001	2-5
DBZ1190-AB	Connection terminal, 2.5 mm2	BPZ:4942340001	5-8
DV451	Showcase surveillance detector	BPZ:4617330001	5-5
DVZ451	Loudspeaker 1 (small)	BPZ:4681470001	5-5
DVZ452	Loudspeaker 2 (large)	BPZ:4793010001	5-5
Eyeteq IRO840T	Dual motion detector with antimask, 15 m wide angle	A5Q00003034	1-24– 25
FAT6 A/7	Replacement paper disc for FAT7 (10 pcs)	BPZ:2566500001	5-7
FAT7	Alarm button for installation in desks and counters	BPZ:2937810001	5-7
FK3-S100K	Indicator caps (1 pack of 100 pcs)	BPZ:2436890001	5-6
FK32	Hold-up foot rail	BPZ:2305530001	5-6
FKL3	L-bracket for wall mounting	BPZ:2446170001	5-6
FKZ3	Z-bracket for floor mounting	BPZ:2446200001	5-6
GM570LSN	Seismic detector for LSN	BPZ:5395000001	3-3
GM580LSN	Watertight seismic detector	A5Q00001640	3-3
GM730	Seismic detector with low profile design	A5Q00005841	3-2
GM760	Seismic detector for multi-purpose use	A5Q00005840	3-2
GM770	Seismic detector for intelligent multi-purpose use with unique electrical drilling protection	A5Q00005839	3-3
GMA56	Fixing device	BPZ:4886060001	3-5
GMSW7	GMSW7 SensTool interface and software for GM730/ 760/ 770.	A5Q00006246	3-4
GMXB0	Floor box for seismic detectors	BPZ:2772020001	3-6
GMXD7	Anti-drilling foil for GM730 and GM760	A5Q00006245	3-6
GMXP0	Mounting plate for seismic detectors	BPZ:2772730001	3-5
GMXP3	Swivel plate for seismic detectors	BPZ:3470190001	3-5
GMXP3Z	Swivel plate for seismic detectors	5712410001	3-5
GMXS1	Test transmitter for GM730/ 760/ 770/ 570LSN	BPZ:4202370001	3-4
GMXS5	External test transmitter for seismic detectors	BPZ:5627000001	3-4
GMXW0	Wall recess box with cover for seismic detectors	BPZ:2771210001	3-6
GMXWGO	Watertight housing for seismic detectors	BPZ:3720260001	3-6
GT2	Test unit for AGB600	BPZ:5074190001	4-1
HTF-24	Heater for IS443, IS444 and IS445 beams	BPZ:5386110001	2-7

## Type Index

Type	Description	Order No.	Page
ICW710	Wireless intrusion panel, 25 zones	A5Q00005110	8-1
ICW711	Wireless intrusion panel, 25 zones, with GSM	A5Q00005112	8-1
IR100B	Swisstec PIR detector, 12 m wide angle	A5Q00002206	1-3
IR120..	Swisstec PIR detector 12 m wide angle, black mirror optics	IR120..	1-4
IR120C	Swisstec PIR detector 12 m wide angle, black mirror optics	BPZ:5403790001	1-4
IR120LSN	Swisstec PIR detector 12 m wide angle, black mirror with LSN	BPZ:5628940001	1-5
IR120MD	Swisstec PIR detector 12 m wide angle, black mirror optics	BPZ:5402980001	1-4
IR120S	Swisstec PIR detector, 12 m wide angle, black mirror optics, warm ambient conditions	A5Q00001761	1-4
IR120UL	Swisstec PIR detector, 12 m wide angle, black mirror optics, UL market	A5Q00003264	1-5
IR200..	Professional Visatec II™ PIR detector, 15 m wide angle	IR200..	1-6
IR200C-II	Professional Visatec II™ PIR detector, 15 m wide angle	BPZ:5193840001	1-6
IR200CD	Professional Visatec II™ PIR detector, 15 m wide angle	BPZ:5193710001	1-6
IR200LSN	Professional Visatec II™ PIR detector, 15 m wide angle	BPZ:5499560001	1-6
IR200ME	Professional Visatec II™ PIR detector, 15 m wide angle	BPZ:5193680001	1-6
IR261	Passive infrared detector for ceiling	BPZ:5667770001	1-19
IR270..	Visatec II™ Pro PIR detector, 18 m wide angle	IR270..	1-8
IR270C	Visatec II™ PIR detector, 18 m wide angle	BPZ:5714870001	1-8
IR270CT	Visatec II™ Pro PIR detector, 18m wide angle with antimask	A5Q00003273	1-11
IR270MD	Visatec II™ Pro PIR detector, 18 m wide angle	A5Q00001864	1-8
IR270T	Visatec II™ Pro PIR detector, 18m wide angle with antimask	BPZ:5627130001	1-11
IR310..	Visatec™ PIR detector, 18 m wide angle	IR310..	1-9
IR310C	Visatec™ PIR detector, 18 m wide angle	BPZ:4455550001	1-9
IR310CD	Visatec™ PIR detector, 18 m wide angle	BPZ:4463630001	1-9
IR310MD	Visatec™ PIR detector, 18 m wide angle	BPZ:4459080001	1-10
IR312C	Visatec PIR detector, 50 m long range curtain	BPZ:4459660001	1-10
IR312CD	Visatec PIR detector, 50 m long range curtain	BPZ:4462110001	1-10
IR312MD	Visatec PIR detector, 50 m long range curtain	BPZ:4461010001	1-10
IR80..	Easytec PIR detector, 12 m wide angle	IR80..	1-2
IR80B	Easytec PIR detector, 12 m wide angle	A5Q00002067	1-2
IR80UL	Easytec PIR detector, 12 m wide angle	A5Q00001768	1-2
IRAK3	Back tamper contact	BPZ:4648530001	1-8, 1-10
IRM120..	Matchtec® PIR/MW motion detector	IRM120..	1-14
IRM120C	Matchtec® PIR/MW motion detector	A5Q00004068	1-14
IRM120MD	Matchtec® PIR/MW motion detector	A5Q00001997	1-14
IRM270..	Matchtec® PIR/ MW motion detector, 18 wide angle	IRM270..	1-15
IRM270C	Matchtec® PIR/ MW motion detector, 18 wide angle	A5Q00007825	1-16
IRM270CFR	Matchtec® PIR/ MW motion detector, 18 wide angle	A5Q00007831	1-16
IRM270CT	Matchtec® PIR/ MW motion detector with real time antimask surveillance	A5Q00007851	1-17
IRM270CTFR	Matchtec® PIR/ MW motion detector with real time antimask surveillance	A5Q00007891	1-17
IRM270CTUK	Matchtec® PIR/ MW motion detector with real time antimask surveillance	A5Q00007894	1-17
IRM270CUK	Matchtec® PIR/ MW motion detector, 18 wide angle	A5Q00007840	1-16
IRM270MD	Matchtec® PIR/ MW motion detector, 18 wide angle	A5Q00002671	1-16
IRM270T	Matchtec® PIR/ MW motion detector with real time antimask surveillance	A5Q00002416	1-17
IRM270T..	Matchtec® PIR/ MW motion detector with real time antimask surveillance	IRM270T..	1-17–18
IRM80	Matchtec® PIR/MW motion detector	BPZ:5716780001	1-13

## Type Index

Type	Description	Order No.	Page
IRMC1	Short-range masking clip, 6 x 6 m wide angle	BPZ:5209170001	1-7, 1-20-23
IRMC104	Pet clip	BPZ:5623150001	1-3, 1-5, 1-15
IRMF20	Masking foil	BPZ:5209200001	1-7, 1-20, 1-22
IRO ComTool	Accessories set IRO ComTool	A5Q00004266	1-24
IRS112	Mirror set for IR110 and IR100, 20 m curtain (4 pcs.)	BPZ:5622920001	1-3
IRS122	Curtain mirror set	BPZ:5623020001	1-5, 1-14
IRS162	Curtain mirror set for IR200, 25 m curtain	BPZ:4893750001	1-6
IRS164	Pet alley mirror set for IR200, 10 m wide angle	BPZ:5032060001	1-7
IRS272	Curtain mirror set	BPZ:5717330001	1-8, 1-11, 1-16, 1-18, 1-24
IRUM2	Wall mount bracket	BPZ:5198760001	1-2, 1-7, 1-13, 1-21, 1-23
IRUM20	Wall mount bracket	BPZ:5622470001	1-3, 1-5, 1-9, 1-12, 1-15-16, 1-18, 1-24
IRUM3	Ceiling mount bracket	BPZ:5198890001	1-2, 1-7-8, 1-13, 1-21-24
IRUM30	Ceiling mount bracket	BPZ:5622500001	1-4-6, 1-9, 1-12, 1-15-19, 1-25-26
IS390	Outdoor PIR detector, volumetric 21 m	BPZ:5398270001	2-2
IS390..	Outdoor PIR detector	IS390..	2-2
IS390H	Outdoor PIR detector, volumetric 27 m with heating	A5Q00005094	2-2
IS392	Outdoor PIR detector, curtain 50 m	BPZ:5398300001	2-2
IS392H	Outdoor PIR detector, 60 m curtain with heating	A5Q00005095	2-2
IS402	Outdoor PIR detector, curtain 100 m	BPZ:4872250001	2-3
IS404	Outdoor PIR detector, curtain 120 m	A5Q00005097	2-3
IS404..	Outdoor PIR detector, curtain 120 m	IS404..	2-3
IS404H	Outdoor PIR detector, curtain 150 m with heating	A5Q00005096	2-3
IS412	Outdoor PIR detector, curtain shape 150 m	BPZ:4455000001	2-3
IS433	Intelligent twin active infrared beams, outdoor 20 m	BPZ:5299760001	2-5
IS433..	Intelligent twin active infrared beams, outdoor 20 m	IS433..	2-5
IS434	Intelligent twin active infrared beams, outdoor 40 m	BPZ:5299630001	2-5
IS435	Intelligent twin active infrared beams, outdoor 60 m	BPZ:5299050001	2-5
IS443	Intelligent quad active infrared outdoor beams, 50 m	BPZ:5299920001	2-6
IS443..	Intelligent quad active infrared outdoor beams, 50 m	IS443..	2-6
IS444	Intelligent quad active infrared outdoor beams, 100 m	BPZ:5299890001	2-6
IS445	Intelligent quad active infrared outdoor beams, 200 m	BPZ:5299500001	2-6
ISIF485	Installation module and software	BPZ:5566620001	2-4
ISIT44	Installation tester	BPZ:4769930001	2-4
ISMD41-1	Mounting flange for pole mounting	BPZ:4455390001	2-4

## Type Index

Type	Description	Order No.	Page
ISMD41-2	Universal mounting flange	BPZ:4455420001	2-4
ISTC41	Installation telescope	BPZ:4455260001	2-4
LLR12	SiRoute® long range fresnel lens (3 pcs.)	BPZ:5029220001	8-8
OP312R	12 V optical smoke detector	A5Q00001969	5-8
PZG21	System box 1	BPZ:2647070001	3-4
RE6 O.H.S.T	Detector tester for optical detectors	BPZ:3680300001	5-8
REF7-S	Test gas can	BPZ:4763850001	5-8
SAG91	E-Bus concentrator	BPZ:8009740001	11-2
SAH11	Housing for Sintony 120	BPZ:8009760001	11-10
SAH12	Housing for Sintony 220	BPZ:8001670001	11-10
SAH17	Housing for Sintony 410 max. 27 Ah	BPZ:8003260001	11-11
SAH24	Housing for transponder and gateway PCB's	BPZ:8004370001	11-11
SAK21	LED keypad	A6E80117410	9-1
SAK41	LCD keypad with flap	BPZ:8006590001	9-1
SAK51	LCD keypad	BPZ:8006630001	9-1
SAK52	LCD keypad with audio function	BPZ:8006930001	9-2
SAK53	LCD keypad with flap and large display	BPZ:8006940001	9-2
SAP08	Power supply in housing 12 VDC / 0.7 A	BPZ:8006170001	11-4
SAP14	Power supply in housing 12 VDC / 1.3 A	BPZ:8003160001	11-4
SAP20	Power supply in housing 12 VDC / 2.3 A	BPZ:8006880001	11-5
SAP25	Power supply in housing 12 VDC / 2.3 A	BPZ:8002930001	11-5
SAQ11	PC/Printer cable	BPZ:8001960001	11-7
SAQ18	X25 cable	BPZ:8006410001	11-7
SAR11	Isolator/repeater E-Bus in housing	BPZ:8000990001	11-3
SAT12	Transponder in housing	BPZ:8006150001	11-3
SI120..	Sintony® control panel 6-22 zones	SI120..	6-6
SI120CH	Sintony® control panel 6-22 zones Switzerland	BPZ:8009800001	6-6
SI120F	Sintony® control panel 6-22 zones French	BPZ:8007150001	6-6
SI120F-NF	Sintony® control panel 6-22 zones French NF	BPZ:8007590001	6-6
SI120I	Sintony® control panel 6-22 zones Italian	BPZ:8007160001	6-6
SI120UK	Sintony® control panel 6-22 zones English	A6E80115610	6-7
SI121ES	Sintony® control panel 6-22 zones Spanish	BPZ:8007130001	6-7
SI220..	Sintony® control panel 8-48 zones	SI220..	7-1
SI220CH	Sintony® control panel 8-48 zones Switzerland	BPZ:8007510001	7-1
SI220F	Sintony® control panel 8-48 zones French	BPZ:8007250001	7-1
SI220F-NF	Sintony® control panel 8-48 zones French NF	BPZ:8005810001	7-1
SI220I	Sintony® control panel 8-48 zones Italian	BPZ:8007260001	7-2
SI220UK	Sintony® control panel 8-48 zones English	A6E80115710	7-2
SI221ES	Sintony® control panel 8-48 zones Spanish	BPZ:8007240001	7-2
SI410..	Sintony® control panel 16-464 zones	SI410..	7-6
SI410BFL	Sintony® control panel 16-464 zones Flemish	BPZ:8002560001	7-7
SI410CZ	Sintony® control panel 16-464 zones Czech	BPZ:8004740001	7-7
SI410F	Sintony® control panel 16-464 zones French	BPZ:8001800001	7-7
SI410F-NF	Sintony® control panel 16-464 zones French NF	BPZ:8008400001	7-7
SI410HU	Sintony® control panel 16-464 zones Hungarian	BPZ:8010020001	7-7
SI410I	Sintony® control panel 16-464 zones Italian	BPZ:8004320001	7-7
SI410PL	Sintony® control panel 16-464 zones Polish	BPZ:8002660001	7-7
SI410UK	Sintony® control panel 16-464 zones English	BPZ:8008080001	7-7
SI411ES	Sintony® control panel 16-464 zones Spanish	BPZ:8008660001	7-7
SI420..	Sintony® control panel 16-464 zones	SI420..	7-8
SI420CH	Sintony® control panel 16-464 zones Switzerland	BPZ:8006790001	7-8
SI420D	Sintony® control panel 16-464 zones German	BPZ:8009470001	7-9
SI81-2	Sintony® wireless control panel, 16-24 zones	A5Q00005910	6-2

## Type Index

Type	Description	Order No.	Page
SLI120CHD	Panel software kit for Swiss German	BPZ:8007490001	6-7
SLI120CHF	Panel software kit for Swiss French	BPZ:8007500001	6-7
SLI120CHI	Panel software kit for Swiss Italian	BPZ:8007480001	6-7
SLI220CHD	Panel software kit for Swiss German	BPZ:8007530001	7-2
SLI220CHF	Panel software kit for Swiss French	BPZ:8007540001	7-2
SLI220CHI	Panel software kit for Swiss Italian	BPZ:8007520001	7-2
SLI80-2 D	German language kit for SI81-2	A5Q00005911	6-2
SLI81-2 F	French language kit for SI81-2	A5Q00012649	6-2
SLK21D	Language kit for SAK21 German	BPZ:8000910001	9-3
SLK21F	Language kit for SAK21 French	BPZ:8009630001	9-3
SLK41D	Language kit for SAK41 German	BPZ:8002610001	9-3
SLK51/52D	Language kit for SAK51/52 German	A6E80113620	9-3
SLK51/52F	Language kit for SAK51/52 French	A6E80112420	9-3
SLK53D	Language kit for SAK53 German	BPZ:8011140001	9-3
SLK53F	Language kit for SAK53 French	BPZ:8011150001	9-3
SM110	Main board SI110 without Eprom	BPZ:8006960001	11-8
SM110D	PCB for SI110 with EPROM Germany	BPZ:8000470001	11-8
SM120	Main board SI120 without Eprom	BPZ:8008340001	11-8
SM210	Main board SI210 without EPROM	BPZ:8007030001	11-8
SM210D	PCB for SI210 with EPROM Germany	BPZ:8000290001	11-8
SM220	Main board SI220 without EPROM	BPZ:8008430001	11-8
SM320DE	PCB for SI320D with EPROM Germany	A6E80118620	11-8
SM410	Main board SI410 without EPROM	BPZ:8007040001	11-9
SM410D	PCB for SI410 with EPROM Germany	BPZ:8005290001	11-9
SM410F	Main board SI410 without EPROM	BPZ:8005140001	11-9
SMG71	Card reader E-Bus interface	BPZ:8006600001	11-2
SML21	PSTN line supervision module	BPZ:8000530001	11-5
SML51PL	Communicator Polish PTT specifications	BPZ:8003210001	11-1
SML51TBR	Analog PSTN dialing device	BPZ:8003480001	11-1
SML61	ISDN dialing devices	BPZ:8003970001	11-1
SMN36	IP-Interface module	A6E80117810	11-1
SMP08	Power supply board 12 VDC / 0.7 A	BPZ:8003610001	11-9
SMP14	Power unit 1.3 A module SMP14	BPZ:8002640001	11-9
SMP20	Power supply board 12 VDC / 2.3 A	BPZ:8006750001	11-10
SMP25	Power supply board 12 VDC / 2.3 A	BPZ:8002800001	11-10
SMR11	Isolator/repeater E-Bus board only	BPZ:8001090001	11-3
SMR13VDS	Isolator/repeater E-Bus board only	BPZ:8003900001	11-3
SMT12	Transponder board only	BPZ:8006160001	11-3
SMT44	Output transponder board only	BPZ:8006730001	11-4
SMU21	Transformer 20 V / 0.8 A	BPZ:8003740001	11-11
SMU22	Transformer 19 V / 1.5 A	BPZ:8010240001	11-11
SMU31	Transformer 20 V / 2.5 A	BPZ:8003870001	11-11
SMV11	Voice module	BPZ:8000440001	11-6
SMX13	Relay module	BPZ:8009180001	11-6
SMX23	Battery supervision module for SI110	BPZ:8003400001	11-6
SMX26	Low battery cut-off module	BPZ:8000330001	11-6
SMY11	Spacer	BPZ:8003450001	11-12
SMZ81	Wiring kit for SI81-2	A6E80117910	6-3
SOA322	Base attachment for surface mounting	BPZ:5358340001	5-8
SPACER/2 mm	2 mm spacer plate for GMXP3/ GMXP3Z	BPZ:3506110001	3-5
SPACER/4 mm	4 mm spacer plate for GMXP3/ GMXP3Z	BPZ:3506240001	3-5

## Type Index

Type	Description	Order No.	Page
TKU..	Surveillance contact	TKU..	5-1
TKU2	Surveillance contact	BPZ:2305080001	5-1
TKU3	Surveillance contact	BPZ:2307860001	5-1
TKU4	Surveillance contact	BPZ:2307990001	5-1
TKU5	Surveillance contact	BPZ:2442770001	5-2
UP370..	Matchtec PIR/US detector, 10 m wide angle	UP370..	1-20
UP370C	Matchtec PIR/US detector, 10 m wide angle	BPZ:5198180001	1-20
UP370MD	Matchtec PIR/US detector, 10 m wide angle	BPZ:5198210001	1-20
UP370T	Matchtec PIR/US detector with antimask, 10 m wide angle	BPZ:5199990001	1-22
UP370T..	Matchtec PIR/US detector with antimask, 10 m wide angle	UP370T..	1-22
UP370TLSN	Matchtec PIR/US detector with antimask, 10 m wide angle	BPZ:5397880001	1-22
W7BT10	SiRoute® radio module standard	A5Q00001923	8-4
W7BT11	SiRoute® radio module for round detectors	A5Q00002477	8-4
W7EG10	SiRoute® E-Bus Gateway	BPZ:8010650001	8-4
W7EG10	SiRoute™ E-Bus Gateway	A5Q00004409	8-4
W7GB650	SiRoute® acoustic glass break detector	A5Q00001900	8-5
W7IO22	SiRoute® input/output module 2/2	A5Q00001903	8-5
W7IR90	SiRoute® PIR motion detector	A5Q00001848	8-6
W7KP10	SiRoute® wireless LCD keypad for ICW700	A5Q00005115	8-3
W7LKP10-UK	Keypad language kit English	A5Q00006416	8-3
W7MK100	SiRoute® door contact	A5Q00001901	8-6
W7MK105	SiRoute® magnet for W7MK100 (5 pcs)	A5Q00002782	8-6
W7OP303	SiRoute® smoke detector	A5Q00001898	8-7
W7RC10	SiRoute® remote control	A5Q00002974	8-7
W7SR10	SiRoute® indoor siren	A5Q00001904	8-7
W7SR15	SiRoute® outdoor siren	A5Q00003953	8-8
W7SW10	UserTool for ICW700	A5Q00006854	8-2
W7SW20	InstallerTool for ICW700	A5Q00006759	8-2
W7UM10	SiRoute® universal mounting base (set 10 pcs.)	A5Q00003601	8-8
W7UM20	SiRoute® corner mounting bracket (5pcs.)	A5Q00003624	8-8
WAC11	Two-way audio unit loudspeaker and microphone	BPZ:8000110001	10-1
WAC12	Addressable two-way audio unit loudspeaker and microphone	BPZ:8007720001	10-1
WAC32	E-Bus camera	BPZ:8001750001	10-1
WAS11	Microphone unit	BPZ:8005230001	10-2
WAT21	Video camera interface	BPZ:8002150001	10-2
WAV61	Monitor interface WAV61	BPZ:8003430001	10-2
WMA11	Plug-on audio module	BPZ:8000310001	10-3
WMV12	Plug-on video module	BPZ:8000040010	10-3
YA8	Alarm indicator panel	BPZ:2776420001	3-4



**Siemens Switzerland Ltd**  
Building Technologies Group  
International Headquarters  
Gubelstrasse 22  
CH-6301 Zug  
Tel +41 41 724 24 24  
Fax +41 41 724 35 22

The information in this document contains general descriptions of the 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.

Subject to change • Order no. A2405-A333-B216 • V1.0 • © Siemens Switzerland Ltd