

Intrusion Detectors

Quick Selection Guide

March 2015



BOSCH
Invented for life



Intrusion Detectors

Blue Line Gen 2



| Commercial Type Number | | ISC-BPR2-W12 | ISC-BPQ2-W12 | ISC-BPR2-WP12 | ISC-BDL2-WP12G | ISC-BDL2-W12G |
|-------------------------------------|-----------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| Overview | Catch performance | ●●○○ | ●●●○ | ●●○○ | ●●○○ | ●●○○ |
| | False alarm immunity | ●●○○ | ●●○○ | ●●○○ | ●●●● | ●●○○ |
| | Application | Small to medium risk | Medium risk | Small to medium risk | Small to medium risk | Small to medium risk |
| | Environment * | Standard | Difficult | Standard | Difficult | Difficult |
| Specifications | Optics | 77 Zone Fresnel | 77 Zone Fresnel | 77 Zone Fresnel | 77 Zone Fresnel | 77 Zone Fresnel |
| | Coverage/range | 12 x 12 m (40 x 40 ft) | 12 x 12 m (40 x 40 ft) | 12 x 12 m (40 x 40 ft) | 12 x 12 m (40 x 40 ft) | 12 x 12 m (40 x 40 ft) |
| | Mounting height | 2.2-2.75 m (7-9 ft) | 2.2-2.75 m (7-9 ft) | 2.2-2.75 m (7-9 ft) | 2.2-2.75 m (7-9 ft) | 2.2-2.75 m (7-9 ft) |
| | Operating temperature ** | -29° to 55°C (-20° to 130°F) | -29° to 55°C (-20° to 130°F) | -29° to 55°C (-20° to 130°F) | -29° to 55°C (-20° to 130°F) | -29° to 55°C (-20° to 130°F) |
| | Operating voltage | 9-15 VDC | 9-15 VDC | 9-15 VDC | 9-15 VDC | 9-15 VDC |
| | Current draw (typical) | 10 mA | 10 mA | 10 mA | 10 mA | 10 mA |
| | Features | First stop processing | ■ | ■ | ■ | ■ |
| Microwave noise adaptive processing | | - | - | - | ■ | ■ |
| Dynamic temperature compensation | | ■ | ■ | ■ | ■ | ■ |
| Wall-to-wall coverage | | ■ | ■ | ■ | ■ | ■ |
| Look-down zone | | ■ | ■ | ■ | ■ | ■ |
| Pet/small animal immunity | | - | - | 45 lb (20 kg) | 100 lb (45 kg) | - |
| Alarm output/memory | | -/- | -/- | -/- | -/- | -/- |
| Anti-mask | | - | - | - | - | - |
| Tamper | | ■ | ■ | ■ | ■ | ■ |
| Sealed optical chamber | | ■ | ■ | ■ | ■ | ■ |
| Ease of installation *** | | Enable/disable LED | ■ | ■ | ■ | ■ |
| | Enable/disable pet immunity | - | - | ■ | ■ | - |
| | Enable/disable look-down | ■ | ■ | ■ | - | - |
| | Microwave Range Adjustment | - | - | - | ■ | ■ |
| | Remote walk test | - | - | - | - | - |
| | Remote self test | - | - | - | - | - |

* Difficult environments include rooms with potential false alarm sources, such as: air conditioning vents, strong drafts of cold or warm air, slow moving objects such as curtains, plants, or signs hanging from the ceiling, a fan that could be running when the system is activated, under floor heating, room temperatures exceeding 30° (86°F), a detector that could be exposed to bright white light (car headlights, floodlights, direct sunlight, etc.)

** For UL installations the operating range is 0° to 49°C (32° to 120°F), indoor use.

*** All models feature a two-piece design, self-locking enclosure, interchangeable mounting base, integrated bubble level, and removable lift-gate terminal strips.

■ Available - Not available

Intrusion Detectors

Professional Series



| Commercial Type Number | ISC-PPR1-W16 | ISC-PPR1-WA16G | ISC-PDL1-WA18G | ISC-PDL1-W18G | ISC-PDL1-WC30G | | |
|----------------------------------|------------------------------|---|---|---|---|---------------------------------|---|
| Overview | Catch performance | ●●●○ | ●●●● | ●●●● | ●●●○ | ●●●○ | |
| | False alarm immunity | ●●●○ | ●●●○ | ●●●○ | ●●●○ | ●●●○ | |
| | Application | Medium to high risk | High risk | High risk | Medium to high risk | Medium to high risk | |
| | Environment * | Standard | Standard | Difficult | Difficult | Difficult | |
| Specifications | Optics | 86 Zone | 86 Zone | 86 Zone | 86 Zone | 14 Zone | |
| | Coverage/range | 15 x 21 m (50 x 70 ft) 7 x 10 m (25 x 32 ft) | 15 x 21 m (50 x 70 ft) 7 x 10 m (25 x 32 ft) | 18 x 24 m (60 x 80 ft) 7 x 10 m (25 x 32 ft) | 18 x 24 m (60 x 80 ft) 7 x 10 m (25 x 32 ft) | 30 x 3 m (100 x 10 ft) | |
| | Mounting height | 2.2-3 m (7-10 ft) | 2.2-3 m (7-10 ft) | 2.2-3 m (7-10 ft) | 2.2-3 m (7-10 ft) | 2.2-3 m (7-10 ft) | |
| | Operating temperature ** | -29° to 55°C (-20° to 130°F) | -29° to 55°C (-20° to 130°F) | -29° to 55°C (-20° to 130°F) | -29° to 55°C (-20° to 130°F) | -29° to 55°C (-20° to 130°F) | |
| | Operating voltage | 9-15 VDC | 9-15 VDC | 9-15 VDC | 9-15 VDC | 9-15 VDC | |
| | Current draw (typical) | 10 mA | 18 mA | 18 mA | 13 mA | 18 mA | |
| | Features | Sensor data fusion | ■ | ■ | ■ | ■ | ■ |
| | | Microwave noise adaptive processing | - | - | ■ | ■ | ■ |
| Range adaptive radar | | - | - | ■ | ■ | ■ | |
| Active white light suppression | | ■ | ■ | ■ | ■ | ■ | |
| Dynamic temperature compensation | | ■ | ■ | ■ | ■ | ■ | |
| Look-down zone | | ■ | ■ | ■ | ■ | ■ | |
| Pet/small animal immunity | | 4.5 kg (10 lb) | 4.5 kg (10 lb) | 4.5 kg (10 lb) | 4.5 kg (10 lb) | - | |
| Alarm output/memory | | ■/■ | ■/■ | ■/■ | ■/■ | ■/■ | |
| Anti-mask | | - | ■ | ■ | ■ (MW only) | - | |
| Tamper | | ■ | ■ | ■ | ■ | ■ | |
| Sealed optical chamber | | ■ | ■ | ■ | ■ | ■ | |
| Ease of installation *** | | No-adjust installation | ■ | ■ | ■ | ■ | ■ |
| | Enable/disable look-down | ■ | ■ | ■ | ■ | ■ | |
| | Switchable coverage patterns | ■ | ■ | ■ | ■ | - | |
| | Microwave range adjustment | - | - | ■ | ■ | ■ | |
| | Remote walk test | ■ | ■ | ■ | ■ | ■ | |
| Remote self test | ■ | ■ | ■ | ■ | ■ | | |

* Difficult environments include rooms with potential false alarm sources, such as: air conditioning vents, strong drafts of cold or warm air, slow moving objects such as curtains, plants, or signs hanging from the ceiling, a fan that could be running when the system is activated, under floor heating, room temperatures exceeding 30° (86°F), a detector that could be exposed to bright white light (car headlights, floodlights, direct sunlight, etc.)

** For UL installations the operating range is 0° to 49°C (32° to 120°F), indoor use.

*** All models feature a two-piece design, self-locking enclosure, interchangeable mounting base, integrated bubble level, and removable lift-gate terminal strips.

■ Available - Not available

Intrusion Detectors

RADION Wireless †

| PIR | | TriTech® (PIR+MW) |
|----------|---------|-------------------|
| Standard | Curtain | Dual |



| Commercial Type Number | | RFPR-12 | RFPR-C12 | RFDL-11 | |
|--------------------------------------|-------------------------------|----------------------------|----------------------------|---------------------------|---|
| Overview | Catch performance | ●●○○ | ●●○○ | ●●○○ | |
| | False alarm immunity | ●●○○ | ●●○○ | ●●○○ | |
| | Application | Small to medium risk | Small to medium risk | Small to medium risk | |
| | Environment * | Standard | Standard | Standard | |
| Specifications | Frequency | 433.42 MHz | 433.42 MHz | 433.42 MHz | |
| | Coverage/range | 11.8 x 11.8 m (39 x 39 ft) | 12 x 1.5 m (39 x 5 ft) | 11 x 11 m (35 x 35 ft) | |
| | Mounting height | 2.3–2.7 m (7.5–8.8 ft) | 2.3–2.7 m (7.5–8.8 ft) | 2–2.4 m (6.5–8 ft) | |
| | Operating temperature ** | 0° to 49°C (32° to 120°F) | 0° to 49°C (32° to 120°F) | 0° to 49°C (32° to 120°F) | |
| | Operating voltage | 3 VDC | 3 VDC | 6 VDC | |
| | Power source | One CR123A Lithium Battery | One CR123A Lithium Battery | Four AA Lithium Battery | |
| | Battery life | Up to 5 years | Up to 5 years | Up to 5 years | |
| | Features | First step processing | ■ | ■ | ■ |
| Motion Analyzer II signal processing | | ■ | ■ | ■ | |
| Microwave noise adaptive processing | | – | – | ■ | |
| Dynamic temperature compensation | | ■ | ■ | ■ | |
| Wall-to-wall coverage | | ■ | ■ | ■ | |
| Look-down zone | | ■ | ■ | ■ | |
| Pet/small animal immunity | | 13 kg (30 lb) | 13 kg (30 lb) | 45 kg (100 lb) | |
| Alarm output/memory | | –/– | –/– | –/– | |
| Anti-mask | | – | – | – | |
| Tamper | | ■ | ■ | ■ | |
| Sealed optical chamber | | ■ | ■ | ■ | |
| Ease of installation *** | | No-adjust installation | ■ | ■ | – |
| | | Enable/disable LED | – | – | ■ |
| | Enable/disable pet immunity | – | – | ■ | |
| | Enable/disable look-down | ■ | ■ | – | |
| | Switchable detection patterns | – | – | ■ | |
| | Microwave range adjustment | – | – | ■ | |
| | Remote walk test | – | – | – | |
| | Remote self test | – | – | – | |

* Difficult environments include rooms with potential false alarm sources, such as: air conditioning vents, strong drafts of cold or warm air, slow moving objects such as curtains, plants, or signs hanging from the ceiling, a fan that could be running when the system is activated, under floor heating, room temperatures exceeding 30°C (86°F), a detector that could be exposed to bright white light (car headlights, floodlights, direct sunlight, etc.)

** For UL installations the operating range is 0° to 49°C (32° to 120°F), indoor use.

*** All models feature a two-piece design, self-locking enclosure, interchangeable mounting base, integrated bubble level, and removable lift-gate terminal strips.

† Wireless peripherals require B810 RADION receiver SD (Solution 3000 control panel) or RF3212E receiver (Solution 16i and Solution 6000 control panels).

■ Available – Not available

Intrusion Detectors

RADION Wireless †

| Door/window Contact | | Other | Smoke Detector |
|---------------------|----------------|-----------------------|----------------|
| Surface Mount | Recessed Mount | Universal Transmitter | Photoelectric |



| Commercial Type Number | | RFDW-SM | RFDW-RM | RFUN | RFSM |
|------------------------|--------------------------|---------------------------|---------------------------|----------------------------|--------------------------------|
| Overview | Application | Small to medium risk | Small to medium risk | Small to medium risk | - |
| | Environment * | Standard | Standard | Standard | - |
| Specifications | Frequency | 433.42 MHz | 433.42 MHz | 433.42 MHz | 433.42 MHz |
| | Coverage/range | - | - | - | 57.2° +/- 2.8°C (135° +/- 5°F) |
| | Reed switch gap width | < 19 mm (0.75 in) | < 19 mm (0.75 in) | < 19 mm (0.75 in) | - |
| | Operating temperature ** | 0° to 49°C (32° to 120°F) | 0° to 49°C (32° to 120°F) | 0° to 49°C (32° to 120°F) | 0° to 49°C (32° to 120°F) |
| | Operating voltage | 1.5 VDC | 1.5 VDC | 1.5 VDC | 3 VDC |
| | Power source | One AA Lithium Battery | One AAA Lithium Battery | One CR123A Lithium Battery | Two CR123A Lithium Battery |
| Features | Battery life | Up to 5 years | Up to 5 years | Up to 5 years | Up to 5 years |
| | Tamper | ■ | ■ | ■ | ■ |
| | LED indicator | - | - | - | ■ |

| Other | | Portable | |
|-------------|-----------|----------|--------------|
| Glass Break | Bill Trap | Keyfob | Panic Button |



| Commercial Type Number | | RFGB | RFBT | RFKF-FB, RFKF-TB | RFPB-SB, RFPB-TB |
|------------------------|--------------------------|----------------------------|---------------------------|----------------------------|----------------------------|
| Overview | Application | Small to medium risk | Small to medium risk | Small to medium risk | Small to medium risk |
| | Environment * | Standard | Standard | Standard | Standard |
| Specifications | Frequency | 433.42 MHz | 433.42 MHz | 433.42 MHz | 433.42 MHz |
| | Coverage/range | 6 m (20 ft) x 360° | - | - | - |
| | Mounting gap | - | - | - | - |
| | Operating temperature ** | 0° to 49°C (32° to 120°F) | 0° to 49°C (32° to 120°F) | 0° to 49°C (32° to 120°F) | 0° to 49°C (32° to 120°F) |
| | Operating voltage | 3 VDC | 1.5 VDC | 3 VDC | 3 VDC |
| | Power source | One CR123A Lithium Battery | One AA Lithium Battery | One Lithium CR2032 Battery | One Lithium CR2032 Battery |
| Features | Battery life | Up to 5 years | Up to 5 years | Up to 5 years | Up to 5 years |
| | Tamper | ■ | ■ | - | - |
| | LED indicator | ■ | - | ■ | ■ |

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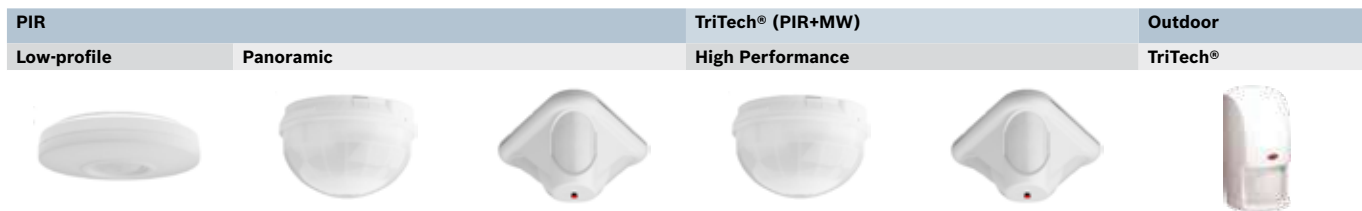
** For UL installations the operating range is 0° to 49°C (32° to 120°F), indoor use.

† Wireless peripherals require B810 RADION receiver SD (Solution 3000 control panel) or RF3212E receiver (Solution 16i and Solution 6000 control panels).

■ Available - Not available

Intrusion Detectors

Ceiling Mount / Outdoor



| | | PIR | | TriTech® (PIR+MW) | | Outdoor | |
|--------------------------------------|------------------------------|---------------------------------|---|---|---|---|---------------------------------|
| | | Low-profile | Panoramic | High Performance | | TriTech® | |
| Commercial Type Number | | DS936 | DS938Z | DS939 | DS9360 | DS9370 | |
| Overview | Catch performance | ●●● | ●●● | ●●● | ●●● | ●●● | ●●● |
| | False alarm immunity | ●●● | ●●● | ●●● | ●●● | ●●● | ●●● |
| | Application | Small to medium risk | Small to medium risk | Small to medium risk | Small to medium risk | Medium risk | Small to medium risk |
| | Environment * | Standard | Standard | Standard | Difficult | Difficult | Outdoor |
| Specifications | Optics | Fresnel | Mirror | Triple 35-zone fresnel | Mirror | Triple 35-zone fresnel | 42 zone fresnel |
| | Coverage/range | 7 m (24 ft) x 360° | 18 m (60 ft) x 360° | 21 m (70 ft) x 360° | 18 m (60 ft) x 360° | 21 m (70 ft) x 360° | 15 m x 15 m |
| | Mounting height | 2–3.6 m (7–12 ft) | 2.4–5.4 m (8–18 ft) | 2.4–7.6 m (8–25 ft) | 2.4–5.4 m (8–18 ft) | 2.4–7.6 m (8–25 ft) | 2.1 m - 2.7 m |
| | Operating temperature ** | –30° to 50°C (–22° to 120°F) | –40° to 50°C (–40° to 122°F) | –40° to 50°C (–40° to 122°F) | –40° to 50°C (–40° to 122°F) | –40° to 50°C (–40° to 122°F) | –40° to 55°C (–40° to 130°F) |
| | Operating voltage | 10–15 VDC | 6–15 VDC | 9–15 VDC | 6–15 VDC | 9–15 VDC | 10-15 VDC |
| | Current draw (typical) | – | – | 12 mA | 18 mA | 19 mA | 22 mA |
| | Features | First step processing | – | – | ■ | – | ■ |
| Motion Analyzer II signal processing | – | ■ | – | ■ | – | ■ | ■ |
| PIR supervision | – | ■ | – | ■ | – | ■ | ■ |
| Microwave supervision | – | – | – | ■ | – | ■ | ■ |
| Microwave noise adaptive processing | – | – | – | ■ | – | ■ | – |
| Linear travel distance microwave | – | – | – | – | – | – | ■ |
| Dynamic temperature compensation | – | – | ■ | – | ■ | ■ | ■ |
| Pet/small animal immunity | – | – | – | – | – | – | – |
| Pattern masking | ■ | ■ | ■ | ■ | ■ | ■ | – |
| Alarm output/memory | ■/– | ■/– | ■/■ | – | ■/■ | ■/■ | ■/– |
| Anti-mask | – | – | – | – | – | – | – |
| Cover tamper | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Wall tamper | – | – | ■ | – | ■ | ■ | ■ |
| Sealed optical chamber (insect/dust) | ■ | – | ■ | – | ■ | ■ | ■ |
| Ease of installation | Two-piece design | – | – | ■ | – | ■ | ■ |
| | Self-locking enclosure | – | – | ■ | – | ■ | – |
| | Hinged mounting base | – | – | ■ | – | ■ | ■ |
| | Pointable optics | Rotational +15° | Horizontal +10° Vertical +2° to –18° | Horizontal +10° Vertical +2° to –18° | Horizontal +10° Vertical +2° to –18° | Horizontal +10° Vertical +2° to –18° | – |
| | Interchangeable optics | – | ■ | – | ■ | – | – |
| | Switchable coverage patterns | – | ■ | – | ■ | – | – |
| | Enable/disable LED | ■ | ■ | ■ | ■ | ■ | ■ |
| | PIR sensitivity adjustment | ■ | ■ | ■ | ■ | ■ | ■ |
| | Microwave range adjustment | – | – | – | ■ | ■ | ■ |
| | Flexible mounting height | ■ | ■ | ■ | ■ | ■ | ■ |
| | Remote walk test | – | – | ■ | – | ■ | – |
| Remote self test | – | – | – | – | ■ | – | |

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■ Available – Not available

Intrusion Detectors

Request-to-Exit

| Standard | | High Performance | |
|------------|-------|------------------|-------|
| Light Gray | Black | Light Gray | Black |



| Commercial Type Number | | DS150i | DS151i | DS160 | DS161 |
|-----------------------------|-----------------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| Overview | Application | Small to medium risk | Small to medium risk | Small to medium risk | Small to medium risk |
| | Environment * | Standard | Standard | Standard | Standard |
| Specifications | Optics | Fresnel | Fresnel | Fresnel | Fresnel |
| | Coverage/range | 2.4 x 3 m (8 x 10 ft) | 2.4 x 3 m (8 x 10 ft) | 2.4 x 3 m (8 x 10 ft) | 2.4 x 3 m (8 x 10 ft) |
| | Mounting height (max.) | 4 m (13 ft) | 4 m (13 ft) | 4 m (13 ft) | 4 m (13 ft) |
| | Operating temperature ** | -30° to 50°C (-22° to 120°F) | -40° to 50°C (-40° to 122°F) | -40° to 50°C (-40° to 122°F) | -40° to 50°C (-40° to 122°F) |
| | Operating voltage | 12-24 VDC or VAC | 12-24 VDC or VAC | 12-24 VDC or VAC | 12-24 VDC or VAC |
| | Current draw (typical) | 26 mA @ 12 VDC | 26 mA @ 12 VDC | 8 mA @ 12 VDC | 8 mA @ 12 VDC |
| | Features | Door monitor with sounder | - | - | ■ |
| Keycard reader input | | - | - | ■ | ■ |
| Sequential logic input | | - | - | ■ | ■ |
| Relay fall safe/fall secure | | ■ | ■ | ■ | ■ |
| Relay settable select | | ■ | ■ | ■ | ■ |
| Relay latch time adjustment | | 0.25-60 seconds | 0.25-60 seconds | 0.5-64 seconds | 0.5-64 seconds |
| Pattern masking | | ■ | ■ | ■ | ■ |
| Alarm output/memory | | -/■ | -/■ | -/■ | -/■ |
| Tamper | | - | - | ■ | ■ |
| Ease of installation | | Pointable optics | Vertical adjustment | Vertical adjustment | Vertical adjustment |
| | Switchable relay mode | ■ | ■ | ■ | ■ |
| | Switchable timer reset mode | ■ | ■ | ■ | ■ |
| | Adjustable sounder volume | - | - | ■ | ■ |
| | PIR sensitivity adjustment | ■ | ■ | ■ | ■ |
| | Enable/disable LED | - | - | ■ | ■ |
| | Flexible mounting height | ■ | ■ | ■ | ■ |

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■ Available - Not available

A Tradition of Quality and Innovation

For over 125 years, the Bosch name has stood for quality and reliability. Bosch is the global supplier of choice for innovative technology, backed by the highest standards for service and support.

Bosch Security Systems proudly offers a wide range of security, safety, communications and sound solutions that are relied upon every day in applications around the world, from government facilities and public venues to businesses, schools and homes. When you need solutions you can rely on, choose Bosch.



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