

Intrusion Detector Selection Guide

Conventional Wall Mount Detectors



► Blue Line Gen 2 Series ► Professional Series



	ISC-BPR2-W12	ISC-BPR2-WP12	ISC-BPQ2-W12	ISC-BDL2-WP6	ISC-BDL2-W12	ISC-BDL2-WP12	ISC-PPR1-W16	ISC-PDL1-W18	ISC-PPR1-WA16	ISC-PDL1-WA18	ISC-PDL1-WC30
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Type	PIR	PIR	Quad PIR	TriTech (PIR+MW)	TriTech (PIR+MW)	TriTech (PIR+MW)	PIR	TriTech (PIR+MW)	PIR	TriTech + (PIR+MW)	TriTech Curtain (PIR+MW)
Anti-Mask	No	No	No	No	No	No	No	No	Yes	Yes	No
Certification	UL	UL	UL	UL	UL	UL	UL	UL	UL	UL	UL
Pet / Small Animal Immunity	No	On / Off Selectable 45 lb (20 kg)	No	On / Off Selectable 100 lb (45 kg)	No	On / Off Selectable 100 lb (45 kg)	Yes 10 lb (4.5 kg)	Yes 10 lb (4.5 kg)	Yes 10 lb (4.5 kg)	Yes 10 lb (4.5 kg)	No
Coverage / Range	40 x 40 ft (12 x 12 m)	40 x 40 ft (12 x 12 m)	40 x 40 ft (12 x 12 m)	20 x 20 ft 6 x 6 m	40 x 40 ft (12 x 12 m)	40 x 40 ft (12 x 12 m)	50 x 70 ft (16 x 21 m)	60 x 80 ft (18 x 25 m)	50 x 70 ft (16 x 21 m)	60 x 80 ft (18 x 25 m)	100 x 10 ft (30 x 3 m)
False Alarm Immunity	●●●○	●●●○	●●●○	●●●●	●●●○	●●●●	●●●○	●●●○	●○○○	●●●○	●●●○
Catch Performance	●●●○	●●●○	●●●○	●●●○	●●●○	●●●○	●●●○	●●●○	●●●●	●●●●	●●●○
Mounting Height	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 (2.2 – 2.75 m)	7 – 9 ft (2.2 – 2.75 m)	7 – 10 ft (2.1 – 3.0 m)	7 – 10 ft (2.1 – 3.0 m)	7 – 10 ft (2.1 – 3.0 m)	7 – 10 ft (2.1 – 3.0 m)	7 – 10 ft (2.1 – 3.0 m)
Lookdown Zone	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Environment §	Standard	Standard	Difficult	Difficult	Difficult	Difficult	Standard	Difficult	Standard	Difficult	Difficult
Application	Small to Medium risk	Small to Medium risk	Medium risk	Small to Medium risk	Small to Medium risk	Small to Medium risk	Medium to High risk	Medium to High risk	High risk	High risk	Narrow and long areas

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RADION wireless








	RFPR-12-A	RFPR-C12-A	RFDL-11-A	RFDW-SM-A	RFDW-RM-A	RFBT-A	RFGB-A	RFUN-A	RFIN-A	RFKF-TB-A RFKF-FB-A	RFPB-SB-A RFPB-TB-A
Type	PIR	PIR Curtain	TriTech (PIR+MW)	Surface Mount Magnetic Reed	Recessed Mount	Bill Trap	Glass Break	Universal Transmitter	Inertia Detector	Keyfob	Panic Button
Certification	UL	UL	UL	UL	UL	UL	UL	UL	UL	UL	UL
Pet / Small Animal Immunity	Yes 30 lb (13 kg)	Yes 30 lb (13 kg)	Yes 100 lb (45 kg)	—	—	—	—	—	—	—	—
Coverage / Range	39 x 39 ft (12 x 12 m)	39 x 39 ft (12 x 12 m)	35 x 35 ft (11 x 11 m)	—	—	20 ft (6 m) x 360°	—	—	—	—	—
Frequency	433.42 MHz	433.42 MHz	433.42 MHz	433.42 MHz	433.42 MHz	433.42 MHz	433.42 MHz	433.42 MHz	433.42 MHz	433.42 MHz	433.42 MHz
False Alarm Immunity	●●○○	●●○○	●●○○	—	—	—	—	—	—	—	—
Catch Performance	●●○○	●●○○	●●○○	—	—	—	—	—	—	—	—
Mounting Height	7.5 – 8.8 ft (2.3 – 2.7 m)	7.5 – 8.8 ft (2.3 – 2.7 m)	6.5 – 8 ft (2 – 2.4 m)	—	—	—	—	—	—	—	—
Mounting Distance	—	—	—	< 0.5 in (12.7 mm)	< 0.5 in (12.7 mm)	—	—	< 0.5 in (12.7 mm)	< 0.5 in (12.7 mm)	—	—
Lookdown Zone	No	No	No	No	No	No	No	No	No	—	—
Environment §	Standard	Standard	Difficult	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Application	Small to Medium risk	Small to Medium risk	Small to Medium risk	Small to Medium risk	Small to Medium risk	Small to Medium risk	Small to Medium risk	Small to Medium risk	Small to Medium risk	Small to Medium risk	Small to Medium risk

Requires B810 RADION receiver SD
Compatible with B Series (B5512, B4512) and G Series (D9412GV4, D7412GV4) control panels.

Intrusion Detector Selection Guide

Ceiling and REX Detectors





	▶ Ceiling Mount				
					
	DS936	DS938Z	DS9360	DS939	DS9370
Type	PIR	PIR	TriTech (PIR+MW)	PIR	TriTech (PIR+MW)
Certification	UL,CE	UL,CE	UL,CE	UL,CE	UL,CE
Pet / Small Animal Immunity	No	No	No	No	No
Coverage / Range	24 ft (7.5 m) 360°	60 ft (18 m) 360°	60 ft (18 m) 360°	70 ft (21 m) 360°	70 ft (21 m) 360°
False Alarm Immunity	●●○○	●●○○	●●●○	●●●○	●●●●
Catch Performance	●●○○	●●●○	●●●○	●●●○	●●●○
Mounting Height	7 – 12 ft (2.0 – 3.6 m)	8 – 18 ft (2.5 – 6.0 m)	8 – 18 ft (2.5 – 6.0 m)	8 – 25 ft (2.4 – 7.6 m)	8 – 25 ft (2.4 – 7.6 m)
Environment §	Standard	Standard	Difficult	Standard	Difficult
Application	Small to medium risk	Small to medium risk	Small to medium risk	Medium risk	Medium risk

For special room conditions we can recommend one of our ceiling mount detectors. Special rooms include:

- Large halls where detectors cannot be mounted on a wall.
- Large offices with cubicles where wall mount detectors are not possible
- Small convenience stores with small shelves, where field of view is better vertical than horizontal.

We do not recommend ceiling mount detectors where objects are hanging from a ceiling blocking line-of-sight, or where the ceiling is vibrating as with ceiling-mount HVAC units.

	▶ Request-to-exit	
		
	DS150i Series	DS160 Series
Type	PIR	PIR
Certification	UL, CE	UL, CE
Coverage / Range	8 x 10 ft (2.4 x 3.0 m)	8 x 10 ft (2.4 x 3.0 m)
Maximum Mounting Height	13 ft (4 m)	13 ft (4 m)
Features		
Door Monitor w/ Sounder	○	●
Cover Tamper	○	●
LED Enable/Disable	○	●
Keycard Reader Input	○	●
Sequential Logic Input	○	●
Relay Fall Safe / Fall Secure	●	●
Relay Settable Select	●	●
Relay Latch Time Adjustment	0.25 – 60 sec	0.5 – 64 sec
Adjustable Optics	Vertical Adjustment	Vertical Adjustment
Options		
Pattern Masking	●	●
Trim Plate	●	●
Sounder Cover	○	●
Operating voltage	12 or 24 (VDC or VAC)	12 or 24 (VDC or VAC)
Max. current Draw	35 mA	39 mA
Operating Temperature	-22° to +120° F (-30° to +50° C)	-22° to +120° F (-30° to +50° C)