radionix

ISC-BPQ2-W12 PIR Motion detector, 40ft (12m)

Blue Line Gen2 Quad



BOSCH

- Dynamic Temperature Compensation – superior catch performance in any environment
- Wall to Wall Coverage – superior catch performance
- Flexible Mounting Height, No Adjustments – reduce installation time and false alarms, improve catch performance
- Self-locking Enclosure with Integrated Bubble Level – reduce installation time

The Blue Line Gen2 Quad PIR Detector (ISC-BPQ2-W12) uses two individual sensors that operate like two PIRs in one detector. Each sensor processes signals separately. Both must activate to generate an alarm signal. This improves false alarm immunity relative to a standard PIR, because false alarm sources such as noise spikes and small animals are ignored.
Quad detectors also provide superior catch performance versus a standard PIR or dual-technology detector. They are particularly well suited for challenging installation situations; for example, cases where cross catch of intruders cannot be guaranteed or where intruders are able to cross the detection pattern very quickly.

Functions

First Step Processing (FSP)
First Step Processing (FSP) almost instantly responds to human targets without producing false alarms from other sources. FSP adjusts the detector's sensitivity based on signal amplitude, polarity, slope, and timing. This eliminates the need for the installer to select the sensitivity level, thus improving ease of installation and reliability.

Dynamic Temperature Compensation
The detector intelligently adjusts its sensitivity to maintain its ability to identify human intruders at virtually any temperature.

Wall-to-Wall Coverage
An improved lookdown zone and coverage range of 12 m x 12 m (40 ft x 40 ft) provide wall-to-wall coverage.

Self-locking Enclosure
The sliding self-locking enclosure has an integrated bubble level and custom gap-free, lift-gate style terminal blocks to make installation easier.

Sealed Optics and Electronics
The optics and electronics are assembled into the front enclosure and sealed with a protective cover to prevent damage during installation. The sealed optical chamber also prevents drafts and insects from affecting the detector.

Test Features
Externally visible alarm LED can be disabled after installation.

RFI and Impact Immunity
These detectors feature immunity to false alarms from external sources including radio frequency interference, “popcorn noise”, as well as physical impact. Through use of a high performance pyro (infrared) sensor with integrated signal filtering, the highest quality electrical components and design that produces the best-in-class signal to noise ratio, and sophisticated signal processing, these detectors are more robust than ever against false alarms.

Regulatory information

This detector is also designed to comply with the following:

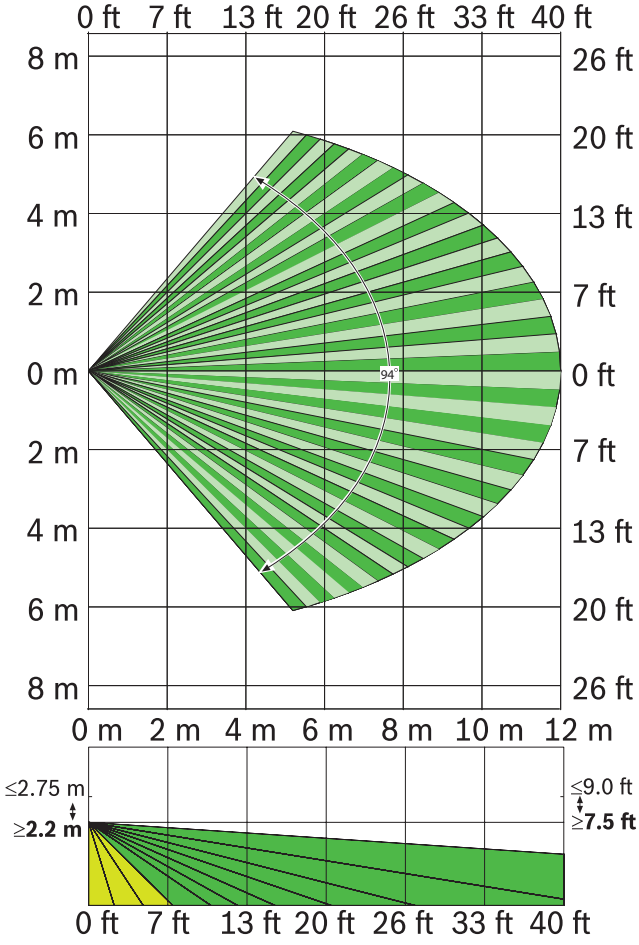
Europe	Complies with EN50131-2-2 Grade 2 ENV Class II
	Complies with EN60529, EN50102 (IP30, IK04)

2011/65/EU (RoHS) (EU 2015/863 amending Annex II to Directive 2011/65/EU)

Region	Regulatory compliance/quality marks	
Europe	CE	EMCD 2014/30/EU, LVD 2014/35/EU, RoHS [ISC-BPQ2-W12]
	EN50131	EN50131-2-2 [ISC-BPQ2-W12]
USA	FCC	Class B
	UL	UL639 – Standard for Intrusion-Detection Units (ISC-BDL2-W12G, ISC-BDL2-WP12G)
Canada	IC	Class B
	ULC	CAN/ULC S306-03 - Canadian Standard for Intrusion Detection Units
Belgium	INCERT	B-B09-1008 V b
France	AFNOR	2620200002A1
	AFNOR	2620200002A2 ISC-BPQ2-W12
Norway	FG	[ISC-BPR2-W12, ISC-BPQ2-W12, ISC-BPR2-WP12, ISC-BDL2-W12, ISC-BDL2-WP12]
Sweden	SBSC	26-117 ISC-BPQ2-W12

Installation/configuration notes

Coverage Patterns



12 m x 12 m (40 ft x 40 ft) coverage

Mounting

The recommended mounting height is 2.2 m to 2.75 m (7.5 ft to 9 ft) with no adjustments required.
Mount the motion detector level, both horizontally and vertically.
Mounting options:

- On a flat wall (surface, semi-flush), with the optional B335-3 Swiveling low-profile mount, or with the optional B328 Gimbal-mount Bracket
- In a corner (the junction of two perpendicular walls)
- On the ceiling with the optional B338 Universal Ceiling-mount Bracket

Parts included

Quantity	Component
1	Detector
1	Hardware pack • 2 anchors (#6, #8 x 7/8) • 2 screws(#6 x 1.25)

Quantity	Component
	• 1 cable tie (2.5 mm)
1	Literature pack

Technical specifications

Electrical

Current (alarm/standby):	Standby: 10 mA at 12 VDC Alarm: 7 mA
Voltage (operating):	9 VDC to 15 VDC

Environmental

Environment:	Complies with EN50130-5 Class II
Relative Humidity:	0 to 95%, non-condensing
Temperature (operating):	-20°C to +55°C (-4°F to +130°F) -10°C to +55°C (+14°F to +130°F) (EU)
IP rating	IP30
Impact protection	IK04

Mechanical

Color:	white
Dimensions:	105 mm x 61 mm x 44 mm (4.2 in. x 2.4 in. x 1.7 in.)
Material:	High-impact ABS plastic
Radio Frequency Interference (RFI) Immunity	No alarm or setup on critical frequencies in the range from 80 kHz to 6 GHz at field strengths less than 10 V/m.

Outputs

Relay:	Solid state, supervised, Form A normally-closed (NC) contacts rated for ≤35 mA, 25 VDC, <20 Ω closed
Tamper:	Normally-closed (NC) contacts (with cover on) rated for ≤35 mA, 25 VDC, PF=1 Connect tamper circuit to 24-hour protection circuit.

Ordering information

ISC-BPQ2-W12 PIR Motion detector, 40ft (12m)
Provides PIR, 12 m x 12 m (40 ft x 40 ft) coverage, utilizing two PIR sensors in one motion detector.
Order number **ISC-BPQ2-W12 | F.01U.134.144 F.01U.364.871 F.01U.399.654 F.01U.413.361 F.01U.435.170**

Accessories

B328 Mounting bracket, gimbal
Mounts on a single-gang box and allows rotation of a detector. Wires are hidden inside.
Order number **B328 | 4.998.800.277**

B335-3 Mounting bracket, swivel, low profile
Swiveling, low-profile, universal bracket for wall mounting. The vertical swivel range is +10° to -20°, while the horizontal swivel range is ±25°.
Order number **B335-3 | 4.998.800.014**

B338 Mounting bracket, ceiling, universal
Swiveling universal bracket for ceiling mounting. The vertical swivel range is +7° to -16°, while the horizontal swivel range is ±45°.
Order number **B338 | 4.998.800.282**

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