ISC-BPR2 - Blue Line Gen2 PIR Motion Detectors

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BOSCH
Invented for life

- Pet-friendly Selectable model available – optimize installation for pet (20 kg [45 lb]) and non-pet applications
- 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 PIR Motion Detectors (ISC-BPR2) use two Fresnel lenses designed to produce sharply-focused images throughout the field of view providing superior response to intruders. These lenses provide a high density (77 zone) 7-layer pattern, and the selectable lookdown lens provides an additional three lookdown zones. Easy installation and flexible mounting options provide state-of-the-art detection. The pet-friendly (-WP) generates alarm signals for human intruders without generating false alarm signals for pets.

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.

Pet-friendly Selectivity (-WP models only)
The installer can turn pet immunity on or off based upon application requirements. When pet immunity is turned off, the detector provides superior catch performance identical to the non-pet models. When pet immunity is turned on, the detector can distinguish between signals caused by humans and signals caused by pets. It ignores signals caused by one or two pets up to 20 kg (45 lb) or numerous rodents.

Dynamic Temperature Compensation
The detector intelligently adjusts its sensitivity so that it can 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.

Certifications and approvals

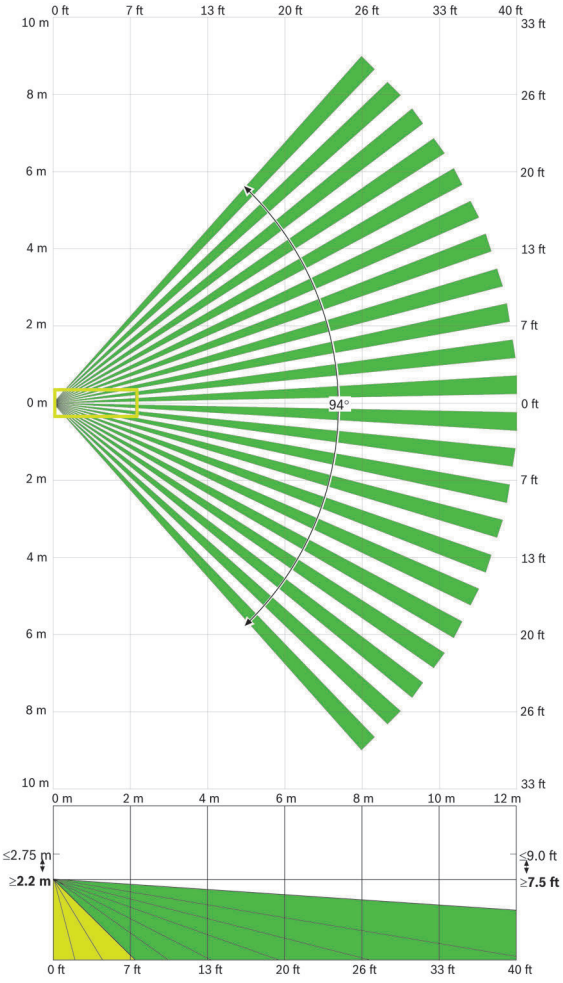
These detectors are also designed to comply with the following:

Europe	Complies with EN50131-2-2 Grade 2
	Complies with EN50130-5 Class II
	Complies with EN60529, EN50102 (IP30, IK04)
	Complies with Directive 2002/95/EC - Restriction of the use of certain Hazardous Substances (RoHS)
China	Complies with CCC GB10408.1 and GB10408.5

Region	Certification	
Europe	CE	2004/108/EC: EMC Directive and 2006/95/EC: Low-Voltage Directive; 2011/65/EU Restriction of the use of certain hazardous substances in electrical and electronic equipment
	EN50131	EN50131-2-2 [-W12]
	EN50131	EN50131-2-2 [-WP12]
Belgium	INCERT	B-509-0051/d [ISC-BPR2-W12, -WP12; ISC-BPQ2-W12]
USA	UL	cULs - ANSR: Intrusion-detection Units (UL 639), ANSR7: Intrusion-detection Units Certified for Canada (ULC-S306) [-W12 and -WP12]
France	AFNOR	2620200001A0 [-W12]
	AFNOR	2620200001B0 [-WP12]
China	CCC	2010031901000322 [-CHI]
Sweden	INTYG	11-268 [-WP12]
	INTYG	11-269 [-W12]
the Netherlands	NCP	2011062 [ISC-BPR2-w12, -WP12, ISC-BPQ2-W12, ISC-BDL2-W12G, ISC-BDL2-WP12G, ISC-BDL2-WP6G]]
Bulgaria	GD FSPP	GODKJENNELSESBEVIS [-W12, -WP12]

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.

The detector can be mounted:

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

Parts included

Quant.	Component
1	Detector
1	Hardware pack • 2 anchors (#6, #8 x 7/8) • 2 screws(#6 x 1.25) • 1 cable tie (2.5 mm)
1	Literature - Installation Guide

Technical specifications

Electrical

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

Environmental

Environment	Complies with EN50130-5 Class II
Pet Immunity[1]:	One or two pets up to 20 kg (45 lb) or numerous rodents.
Relative Humidity:	0 to 95%, non-condensing *For UL Listed product installations, 0 to 85%, non-condensing*
Temperature (operating):	-30°C to +55°C (-20°F to +130°F) *For UL Listed product installations, 0°C to +49°C (+32°F to +120°F)*

[1] Applies to the Pet Friendly models only and only when the Pet Immunity feature is turned on.

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 150 kHz to 2 GHz at field strengths less than 30 V/m.

Outputs

Relay:	Solid state, supervised, Form A normally-closed (NC) contacts rated for ≤100 mA, 25 VDC, 2.5 W, <20 Ω closed
Tamper:	Normally-closed (NC) contacts (with cover on) rated for ≤100 mA, 25 VDC, 2.5 W Connect tamper circuit to 24-hour protection circuit.

Ordering information

Blue Line Gen2 PIR Motion Detector (12 m [40 ft] coverage)
Order number **ISC-BPR2-W12**

Blue Line Gen2 Pet-Friendly PIR Motion Detector (12 m [40 ft] coverage)
Order number **ISC-BPR2-WP12**

Blue Line Gen2 PIR Motion Detector for China (12 m [40 ft] coverage)
For China
Order number **ISC-BPR2-W12-CHI**

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