


**BOSCH**

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# Blue Line ISM-BLP1-P Pet Friendly Passive-infrared Detector



- ▶ 11 m x 11 m (35 ft x 35 ft) broad coverage
- ▶ Pet Friendly®
- ▶ First Step Processing (FSP)
- ▶ Flexible mounting height from 2.3 m to 2.7 m (7.5 ft to 9 ft)
- ▶ No range or height adjustments required
- ▶ Installation-friendly two-piece design
- ▶ Easy wiring access with plug-in terminals
- ▶ Eight detection layers including optional look-down zone
- ▶ Draft and insect immunity
- ▶ Temperature compensation

The ISM-BLP1-P Pet Friendly® Detector can distinguish between signals caused by humans and signals caused by one or two animals with a combined total weight of 13.6 kg (30 lb).

## Functions

### Signal Processing

*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.

### Test Features

The externally-visible alarm LED can be disabled after installation.

### Draft and Insect Immunity

The sealed optical chamber prevents drafts and insects from affecting the detector.

### Temperature Compensation

The detector adjusts its sensitivity to maintain its ability to identify human intruders at critical temperatures.

## Certifications and Approvals

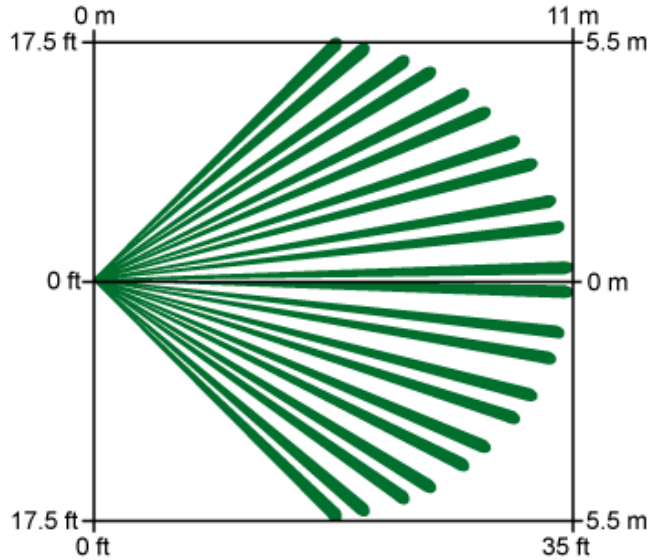
Country	Certification/Listing Number
Europe	CE Complies with EN50131-1 grade 2
Belgium	INCERT
Canada	ULANSR7: Intrusion Detection Units Certified for Canada (ULCS306)
China	CCC 2004031901000035)
Czech Republic	NBU
Italy	IMQ
Poland	POL
Russia	GOST 12997-84, GOST R 50009-2000, GOST R 51317.3.2-99, GOST R 51317.3.3-99, GOST R MEK 60065-2002
Sweden	SBSC
Ukraine	IEC 60839-1-3-2001, 60839-2-2-2001, 60839-2-6-2001 GOST 26342-84, 27990-88
US	UL ANSR: Intrusion Detection Units (UL639)

## Installation/Configuration Notes

### Coverage Patterns

### Coverage Pattern Legend

- PIR coverage pattern
- Look-down zone



**Top View Broad: 11 m x 11 m (35 ft x 35 ft)**



**Side View Broad: 11 m x 11 m (35 ft x 35 ft)**

### Mounting

The recommended mounting height is 2.3 m to 2.7 m (7.5 ft to 9 ft).

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 the junction of two perpendicular walls, or
- On the ceiling with the optional B338 Ceiling-mount Bracket.

**Note** The use of optional mounting brackets can reduce the detector's range and increase the dead zone areas.

### Power Considerations

#### Power Limits

Input power must be provided by an approved limited power source. All outputs must be connected to SELV (safety extra-low voltage) circuits only.

#### Standby Power

This detector has no internal standby battery. *For UL Listed product installations, 4 hr (40 mAh) of standby power must be supplied by the control unit or by a UL Listed burglary power supply.*

### Parts Included

Quant.	Component
1	Detector
1	Hardware pack
1	Literature pack

## Technical Specifications

### Environmental Considerations

Complies with EN50131 Environmental Class II, Security Grade 2

Relative Humidity:	0 to 85%, non-condensing
Temperature (operating):	-29°C to +49°C (-20°F to +120°F) <i>For UL Listed product installations, 0° C to +49°C (+32°F to +120°F)</i>

### Mechanical Properties

Color:	White
Dimensions:	10.7 cm x 6.1 cm x 4.8 cm (4.2 in. x 2.4 in. x 1.9 in.)
Material:	High-impact ABS plastic
Radio Frequency Interference (RFI) Immunity:	No alarm or setup on critical frequencies in the range from 26 MHz to 950 MHz at field strengths less than 50 V/m.

### Outputs

Digital Alarm:	5 V normally, grounded for 4 sec during alarm.
Relay:	Solid state, supervised, Form A normally-closed (NC) contacts rated for 125 mA, 28 VDC, 3 W.
Tamper:	Normally-closed (NC) contacts (with cover on) rated at 28 VDC, 125 mA maximum. Connect tamper circuit to 24-hour protection circuit.

### Power Requirements

Current (Alarm):	18 mA
Current (Standby):	10 mA maximum at 12 VDC
Voltage (Operating):	10 VDC to 14 VDC

### Trademarks

Pet Friendly® is a registered trademark of Bosch Security Systems in the United States.

## Ordering Information

B328 Gimbal-mount Bracket Mounts on a single-gang box and allows rotation of a detector. Wires are hidden inside.	B328
B335-3 Low-profile Swivel-mount Bracket Plastic, swivel, low profile bracket for walls. The vertical pivot range is +10° to -20°; the horizontal pivot range is ±25°. Shipped in packages of three.	B335-3
B338 Universal Ceiling Bracket Plastic swivel bracket for ceilings. The vertical pivot range is +7° to -16°; the horizontal pivot range is ±45°.	B338

## Ordering Information

Blue Line ISM-BLP1-P Pet Friendly Passive-infrared Detector	ISM-BLP1-P
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### Accessories

Blue Line ISM-BLA1-CC Color Camera Module (NTSC format)	ISM-BLA1-CC-N
Blue Line ISM-BLA1-CC Color Camera Module (PAL format)	ISM-BLA1-CC-P
Blue Line ISM-BLA1-CM Monochrome Camera Module (CCIR Format)	ISM-BLA1-CM-C
Blue Line ISM-BLA1-CM Monochrome Camera Module (EIA format)	ISM-BLA1-CM-E
Blue Line ISM-BLA1-LM Nightlight Module	ISM-BLA1-LM
Blue Line ISM-BLA1-SM Sounder Module	ISM-BLA1-SM

**Europe, Middle East, Africa:**  
Bosch Security Systems B.V.  
P.O. Box 80002  
5600 JB Eindhoven, The Netherlands  
Phone: +31 40 2577 284  
Fax: +31 40 2577 330  
emea.securitysystems@bosch.com  
www.boschsecurity.com

**Americas:**  
Bosch Security Systems, Inc.  
130 Perinton Parkway  
Fairport, New York, 14450, USA  
Phone: +1 800 289 0096  
Fax: +1 585 223 9180  
security.sales@us.bosch.com  
www.boschsecurity.us

**Asia-Pacific:**  
Bosch Security Systems Pte Ltd  
38C Jalan Pemimpin  
Singapore 577180  
Phone: +65 6319 3450  
Fax: +65 6319 3499  
apr.securitysystems@bosch.com  
www.boschsecurity.com

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