

Blue Line P1 Passive-infrared Detector



Security Systems



- First Step Processing (FSP)
- Installation-friendly two-piece design
- Easy wiring access with plug-in terminals
- No range or height adjustments
- 11 m x 11 m (35 ft x 35 ft) broad coverage
- Draft and insect immunity
- Temperature compensation
- Optional camera, nightlight, and sounder modules

The BLP1 detector uses a Fresnel lens designed to produce sharply-focused images throughout the field of view of the lens to provide superior response to intruders. Easy installation and flexible mounting options provide state-of-the-art detection every time.

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

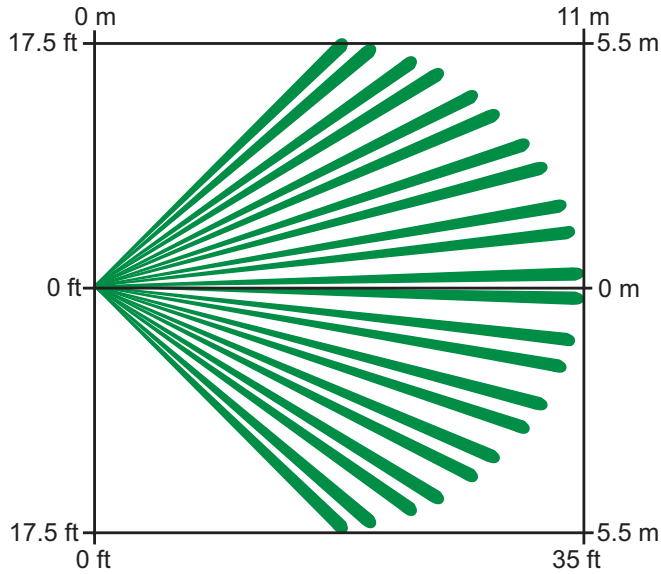
Country	Certification/Listing Number
Europe	CE
US	ANSR: Intrusion Detection Units (UL639)

Installation/Configuration Notes

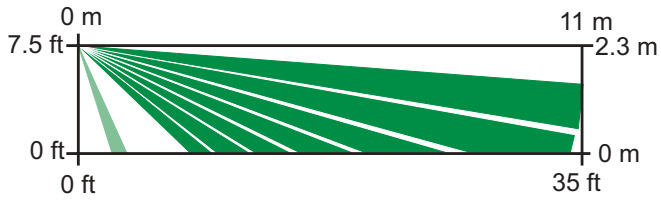
Coverage Patterns

Broad: 11 m x 11 m (35 ft x 35 ft)

Top View



Side View



Coverage Pattern Legend

- PIR pattern
- Look-down zone

Mounting

The recommended mounting height is 2.25 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.*

Technical Specifications

Radio Frequency Interference (RFI) Immunity: No alarm or setup on critical frequencies in the range from 26 MHz to 950 MHz at 50 V/m.

Enclosure Design

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

Environmental Considerations

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

Outputs

Digital Alarm: 5 V normally, ground 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

Ordering Information

Blue Line P1 Passive-infrared Detector	ISM-BLP1
Blue Line A1-CC-N Color Camera Module (NTSC format)	ISM-BLA1-CC-N
Blue Line A1-CC-P Color Camera Module (PAL format)	ISM-BLA1-CC-P
Blue Line A1-CM-C Monochrome Camera Module (CCIR Format)	ISM-BLA1-CM-C
Blue Line A1-CM-E Monochrome Camera Module (EIA format)	ISM-BLA1-CM-E
Blue Line A1-LM Nightlight Module	ISM-BLA1-LM
Blue Line A1-SM Sounder Module	ISM-BLA1-SM
B328 Gimbal-mount Bracket	B328
B335-3 Low-profile Swivel-mount Bracket	B335-3
B338 Universal Ceiling Bracket	B338

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