

The addressable passive infrared detector (AMB-300) employs a large, multi-beam lens design, patented Multi-Level Signal Processing (MLSP) and temperature compensation to ensure human targets are identified. To ensure trouble-free operation for many years, special attention is given to false alarm immunity against RF, static and electrical transients. The detector uses a two-wire connection to the control panel that helps to reduce installation time and cost. The low current draw of the detector helps maximize the number of devices that can be attached to an addressable loop.



Product Features:

- ▶ Multi-beam lens design
- ▶ Patented Multi-Level Signal Processing (MLSP) for accurate detection of human IR energy over a broad range of temperatures
- ▶ Dual element low-noise sensor
- ▶ High-level static and transient protection
- ▶ Exceptional white light immunity
- ▶ Excellent RF immunity
- ▶ Exceptional catch performance at elevated temperatures
- ▶ LED on/off jumper
- ▶ 4 interchangeable lenses available
- ▶ Optional wall-mount and ceiling-mount brackets available
- ▶ Attractive, modern design

Locating the Detector

When choosing a location for the detector, be sure to consider the following:

- Do not aim the detector at reflective surfaces
- Avoid locations that are subject to direct high air flow
- Do not locate the detector in the path of direct or reflected sunlight
- Do not place next to large obstructions that may limit the coverage area

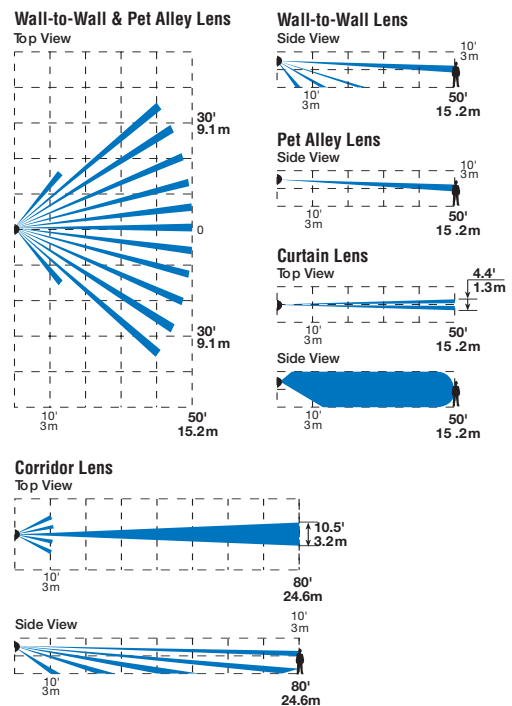
Accurate Detection

Patented Multi-Level Signal Processing (MLSP) provides for more accurate detection of human IR energy over a broad range of temperatures. It's able to maximize catch performance while providing protection against false alarm sources such as radio interference, air vents and insects.

Changing Lenses

The standard lens is the wall-to-wall lens (BV-L1). Additional lenses include the corridor lens (BV-L2), curtain lens (BV-L3) and the pet alley lens (BV-L4). To change any of the lenses, release the tab and pull the lens holder out. This action releases the lens. Insert the new lens with the grooves facing inward. The bottom of the lens is indicated by two triangular indentations. Ensure that the lens is centered and then reattach the lens holder. The lens holder will snap into place, sealing the lens into position.

Coverage Pattern



Specifications

Dimensions	3.5" (H) x 2.5" (W) x 1.87" (D) (89 mm x 64 mm x 48 mm)
Operating Voltage	9 to 14 V RMS*
Standby Current	2.5 mA
Current in Alarm	2.5 mA
Test Current	5.0 mA
Contact Rating	100 mA @ 24 Vdc
Operating Temperature Range	32° to 122° F (0° to 50° C)
RF Immunity	0 V/m from 0.01 to 1,200 MHz
Relative Humidity	5% to 95%
Static Immunity	25 kV
Transient Immunity	2.4 kV @ 1.2 joules
White Light Immunity	20,000 Lux @ Device
Walk Detection Speed	0.5 to 10 ft/s (0.15 to 3 m/sec)
Alarm Duration	2 to 3 Seconds
Coverage Angle (BV-L1)	90° Minimum
Vertical Adjustment	+5 to -10°
Mounting Heights	BV-L1, L2, L3 6 to 10.5 ft (1.8 to 3.2 m) BV-L4 4 to 5 ft (1.2 to 1.5 m)

* Compatible with DSC AML (Addressable Multiplex Loop) voltage

Ordering Information:

AMB-300	Addressable Passive Infrared Detector
Lenses	
BV-L1	Wall-to-Wall Lens
BV-L2	Corridor Lens
BV-L3	Curtain Lens
BV-L4	Pet Alley Lens
Brackets	
DM-W	Wall-Mount Bracket
DM-C	Ceiling-Mount Bracket