

Digital PIR Detector with Pet Immunity **BMD501**



Features That Make a Difference

- Form 'A' alarm contact and tamper switch
- Digital signal analysis
- Slim profile design
- Features ABS plastic for shock and impact protection
- Pet immunity up to 25 kg (55 lbs)
- Exceptional white light immunity
- Quad Linear Imaging Technology for sharp analysis of body dimensions and differentiation from backgrounds and pets
- Advanced ASIC-based electronics
- Compact design for residential installations
- Adjustable variable pulse count
- PIR sensitivity adjustment
- Height installation calibration free

Whether it's a residential or commercial installation, the BMD500 series of detection devices readies a security system for the unexpected by providing protection for every room, corner and corridor.

The BMD501 effectively blends performance with competitive pricing. The detector features intelligent signal analysis for reliable detection, pet immunity up to 25 kg (55 lbs) and a slim design that complements any décor.

Reliable Protection

Advanced ASIC-based processing provides both superior detection and false alarm rejection to help keep people and possessions secure. Quad Linear Imaging Technology provides sharp analysis of body dimensions and differentiation from backgrounds and pets.

Digital Signal Processing

Effective motion detection is dependent on a sensor's ability to identify intruders and provide true false alarm resistance. The LC series of detection devices pinpoints intruders through digital signal processing. Digital information is more accurately analyzed using software and is not subject to signal degradation caused by amplification, noise, distortion or signal clipping.

Pet Immunity

Highly accurate sensors are able to provide quality detection while at the same time ignoring pets weighing up to 25 kg (55 lbs).

Fast and Easy Installation

Once the detector is installed at the recommended height, installers simply conduct a brief walk-test, make any necessary adjustments,

and the unit is ready to perform. Highly visible LEDs can be viewed at a glance and help the installer identify the detection range from any distance or angle within the coverage pattern.

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

Exceptional White

Built-in temperature compensation adjusts processing to ensure the detector is able to function in harsh environments without causing false alarms.

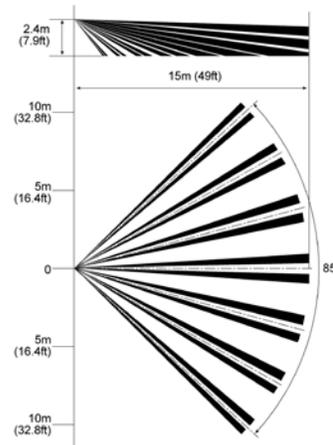
Detection Range

Adjustment The detection range of the motion detector is adjustable to about 3 m to 12 m (10' to 40'). A potentiometer can be adjusted clockwise or counter-clockwise to increase or decrease the range respectively.

For optimum performance, range should be adjusted so that it effectively protects the dimensions of the intended area. The LC-100-PI is factory-set for 84%.

Specifications

Dimensions.....	92 mm x 62.5 mm x 40 mm (3.62" x 2.46" x 1.57")
Weight.....	58 gr (2.04 oz)
Detection Method.....	Quad (Four Element) PIR
Power Input.....	8.2 to 16 VDC
Current Draw (Standby)	8 mA (± 5%)
Current Draw (Active).....	10 mA (± 5%)
Tamper Switch.....	Contact Rating: 0.1 Amp @ 28 VDC
RFI Protection.....	30 V/m 10-1000 MHz EMI
Protection.....	50,000 V



Ordering Information

BMD501	Digital PIR with and Pet Immunity
BMD-MB	Swivel mounting bracket
BMD-F	Filter for 10K LUX (set of 12)
BMD-CL	Curtain Lens Set (set of 12)