

Whether it's a residential or commercial installation, the LC series of detection devices readies a security system for the unexpected by providing protection for every room, corner and corridor. The LC-102-PIGBSS combines proven digital PIR and glassbreak detection technology with intelligent ASIC signal analysis.



## Product Features:

- ▶ Form 'A' alarm contact and tamper switch
- ▶ Digital signal analysis
- ▶ Slim profile design
- ▶ Features ABS plastic for shock and impact protection
- ▶ Exceptional white light immunity
- ▶ Pet immunity up to 25 kg (55 lbs)
- ▶ Quad Linear Imaging Technology for sharp analysis of body dimensions and differentiation from backgrounds and pets
- ▶ Separate PIR and glassbreak sensitivity adjustment
- ▶ 2 independent relay outputs for glassbreak and PIR alarm signals
- ▶ Advanced ASIC-based electronics

## 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.

## 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

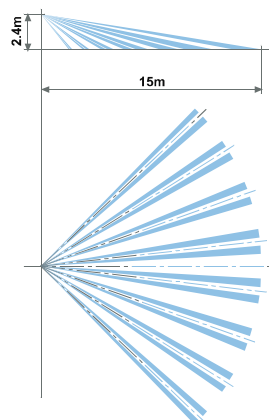
When choosing a location for the detector, be sure to consider the following:

- 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

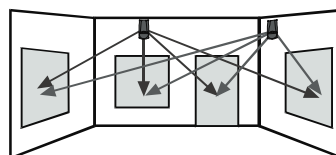
## Detection Range Adjustment

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-102-PIGBSS is factory-set for 57%.

## Coverage Pattern



## Detector Mounting



## Glassbreak Simulator

The AFT-100 glassbreak simulator provides the most reliable and accurate indication of the correct mounting location for the detector. Do not install the detector beyond the maximum recommended range, even if the glassbreak simulator reports additional range. Future changes in room acoustics could reduce any additional range.

## Specifications

Dimensions	118 mm x 62.5 mm x 41 mm (4.65" x 2.46" x 1.61")
Weight	97 gr (3.42 oz)
Detection Method	Quad (Four Element) PIR
Power Input	8.2 to 16 Vdc
Current Draw (Standby)	18 mA
Current Draw (Active)	25.5 mA
Tamper Switch: Contact Rating	0.1 Amp @ 28 Vdc
RFI Protection	30 V/m 10-1000 MHz
EMI Protection	50,000 V

## Ordering Information:

LC-102-PIGBSS	..... Digital PIR and Glassbreak Detector with Pet Immunity
AFT-100	..... Glassbreak Simulator

Distributed by:

**DSC**

For product information  
[www.dsc.com](http://www.dsc.com)

Product specifications and availability subject to change without notice. Certain product names mentioned herein may be trade names and/or registered trademarks of other companies.  
©2006 2006-05