

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-101 utilizes a camera to acquire visual and audio alarm verification which is then used in tandem with the PIR sensor to provide reliable detection and false alarm immunity.



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
- ▶ Advanced ASIC-based electronics
- ▶ Wide-range operating voltage
- ▶ High reliability, trouble-free operation
- ▶ User-friendly installation with or without swivel-mount bracket

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.

Camera

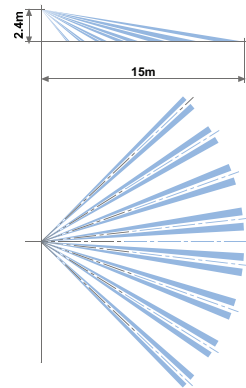
The pinhole camera used with the LC-101, available in black and white or color, includes video and audio outputs to allow alarm events to be recorded to a VCR/DVR.

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

Coverage Pattern



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-101 series is factory-set for 84%.

Specifications

LC-101

Dimensions.....	116 mm x 62.5 mm x 40 mm (4.56" x 2.46" x 1.57")
Weight	110 gr (3.88 oz)
Detection Method	Quad (Four Element) PIR
Power Input	8.2 to 16 Vdc
Current Draw (Mono)	115 mA
Current Draw (Color)	150 mA
Tamper Switch: Contact Rating	0.1 Amp @ 28 Vdc
RFI Protection	30 V/m 10-1000 MHz
EMI Protection	50,000 V

Camera

Camera Type	B&W or Color; PAL, NTSC, CCIR or EIA
Picture Elements	290 K (PAL), 250 K (NTSC), 290 K (CCIR), 250 K (EIA)
Resolution	420 TV Lines (Color), 380 TV Lines (B&W)
Sensitivity	0.5 Lux – F2.0 (Color), 0.5 Lux – F1.2 (B&W)
S/N Ratio	> 48 dB
Audio Signal	750 mV
Electronic Shutter Time	NTSC: 1/60 – 1/100,000 Sec PAL: 1/50 – 1/100,000 Sec CCIR: 1/50 – /100,000 Sec EIA: 1/60 – /100,000 Sec

Ordering Information:

LC-101-CAMCLPAL	Digital PIR Detector with Camera and Pet Immunity
LC-101-CAMCLNTSC	Digital PIR Detector with Camera and Pet Immunity
LC-101-CAMB&WCCIR	Digital PIR Detector with Camera and Pet Immunity
LC-101-CAMB&WEIA	Digital PIR Detector with Camera and Pet Immunity