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-100-PI 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.

**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
- Compact design for residential installations
- Adjustable variable pulse count
- PIR sensitivity adjustment
- Height installation calibration free
- Available in packages of 6 (LC-100-PI-6PK)
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

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:
LC-100-PI . . . . . . . . . . . . . . . . . . Digital PIR Detector with Pet Immunity
LC-100-PI-6PK . . . . . . . . . . . . . . . . . Digital PIR Detector with Pet Immunity
(Package of 6)