

PASSIVE INFRARED DETECTOR

Model 6155LX

Description

The 6155LX offers a DMP single point loop expander inside the plastic housing of a Sentrol® 6150 Series Sharpshooter™ PIR. The 6155LX connects directly to the data expansion bus of a DMP command processor using one of the panel's available device addresses.

The Sharpshooter PIR is highly sensitive to moving infrared sources and provides increased immunity to RFI, vibration, static, lightning, temperature changes, and other false alarm sources.

There is also an internal tamper switch that opens the protection loop on the PIR whenever the cover is opened. During disarmed periods, this can be used to report a tamper from the device. During armed periods, this will report as an alarm.

Detection Technology

The 6155LX uses a dual pyroelectric sensor with jumper-selectable one or two zone detection patterns. There is also a sequence processor that combines bidirectional pulse counting and event verification to help reduce the chance of false alarms.

PIR Zone Patterns

The 6155LX provides a variety of optional lens configurations to fit almost any application. The standard lens covers a full 45° x 90° pattern with other lens options including a long range, extra wide angle, curtain, and pet alley.

Housing Construction

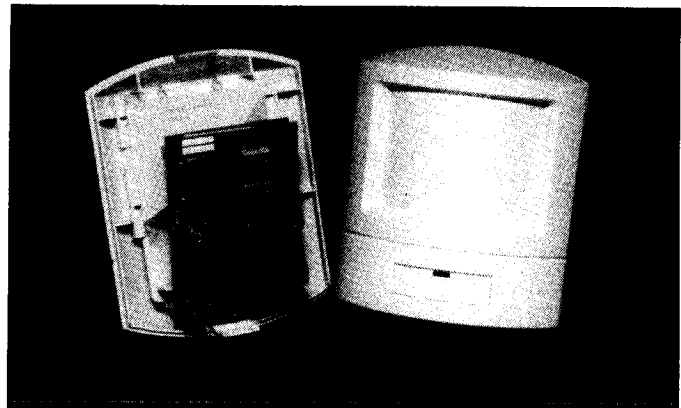
The 6155LX is constructed of fire-retardant ABS plastic that gives the detector a clean, decorative look and provides for a more durable product. The unit can be mounted in a variety of configurations using a swivel bracket or mounted without the bracket directly to a flat surface. A built-in cover slides over the walk test LED for added security.

Addressing Switches

Addressing the 6155LX is simple and just requires the setting of two on board BCD (Binary Coded Decimal) switches to match the address of the selected loop number.

Wiring Connections

The 6155LX connects to the data expansion bus of the command processor panel through a single 4-conductor cable. Multiple 6155LX modules can be used together on the same cable to increase the cost savings on each installation.



Features

- Fully integrated PIR with DMP single point loop expander
- Easy decimal addressing; no difficult binary switches
- Walktest LED
- Easy connection to 4-wire bus from panel
- Increased immunity to environmental changes
- Integrated tamper circuit
- Status LED indicates good communication with panel
- Durable and attractive plastic housing
- Five interchangeable lenses for a variety of coverage patterns
- Convenient screw terminal connections
- Optional swivel base for easy installation
- Powered from panel or auxiliary power supply
- Individual loop type programming
- Adjustable pulse count settings

Specifications

Operating Voltage	8.8 to 15.0 VDC
Operating Current	23mA typical, 25mA maximum
Alarm Duration	2 to 5 seconds
Operating Temp	0° to 120°F
Humidity	10% to 90% noncondensing
Pulse Count	Bidirectional, 1 event (2 pulses) or 2 events (4 pulses)