



6150 SERIES PASSIVE INFRARED

Sharpshooter™ PIR

Model numbers:

6155, 6157, 6155CT, 6157CT, 6155AL



- Sealed optics helps prevent false alarms caused by insects getting inside detector
- Six interchangeable lenses for flexible coverage patterns
- Unique Zone Sighting System with swivel bracket for accurate aiming
- Cold temperature version able to operate to -40°F
- Motion verification through advanced signal processing reduces false alarms

Sentrol's 6150 Sharpshooter™ passive infrared detector is an advanced PIR highly sensitive to moving infrared sources while offering increased immunity to RFI, vibration, static, stray light, rapid temperature changes, and other false alarm sources.

The detector uses a dual pyroelectric sensor with jumper selectable one- or two-zone detection. It combines bi-directional pulse count and motion verification, the most sophisticated signal processing available. An opaque, high resolution Fresnel lens focuses the infrared energy on the pyroelectric sensor while blocking stray or reflected light. The unit ships with a standard wide angle lens. Long range, extra wide angle, pet alley, curtain and single beam pet alley lenses are available as accessories.

The patented Zone Sighting System is an accessory for installation accuracy. By illustrating the exact beam pattern, the installer can identify "hot spots" and "dead zones", and with the standard swivel bracket, can either re-aim for best coverage or mask the lens using the labelled die-cut kit.

The 6150 Series is an attractive unit of fire-retardant ABS plastic. A built-in cover slides over the LED and provides a surface for private labelling. It incorporates a custom Applications Specific Integrated Circuit (ASIC) on a compact SMD board for highest reliability.

Sentrol 6150 Series Sharpshooter™

Specifications:

Electrical

Voltage 7 to 16 VDC
 Current 8mA typical, 10mA max.
 Maximum loop rating 16 VDC, 50mA
 Alarm output Fail safe contacts w/ 10 Ohms in series,
 6155 - Form A, Normally Closed (N.C.)
 6157 - Form C, Normally Closed and Open (SPDT)
 Alarm duration 2 to 5 seconds
 Cover tamper contacts Normally Closed, rating: 50mA

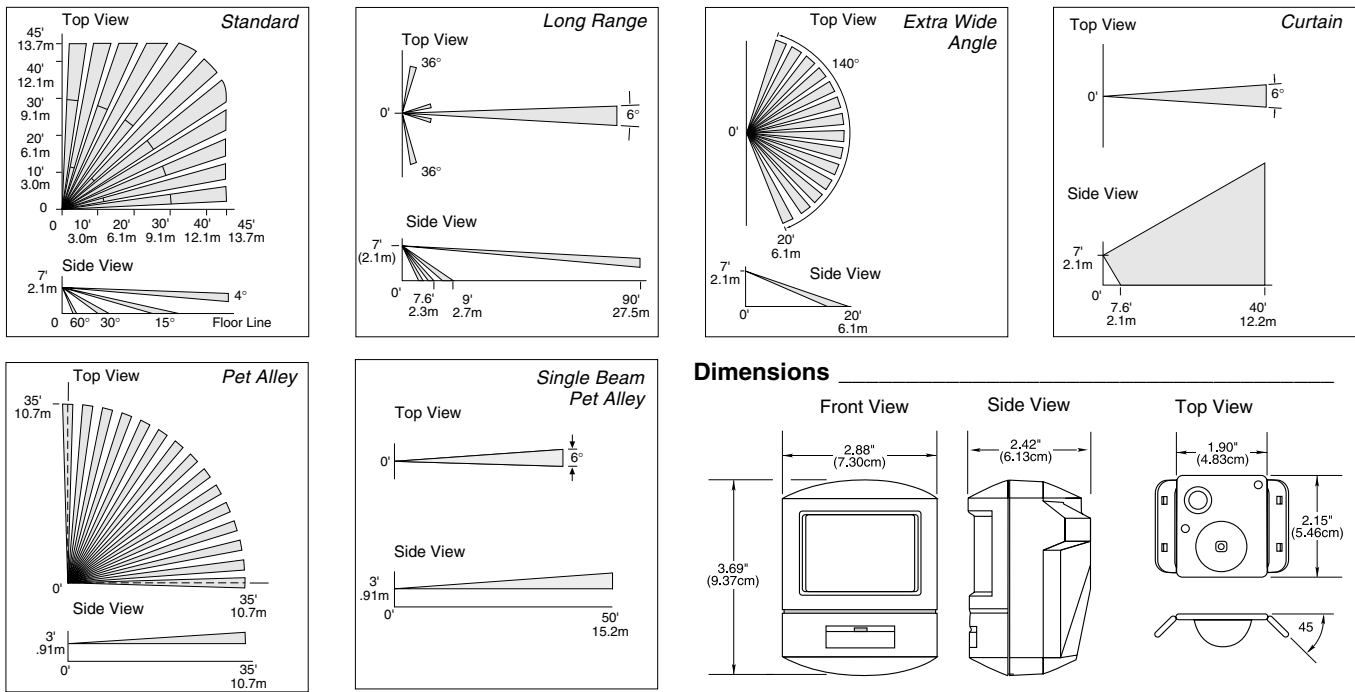
Environmental

Operating temperature 0°F to 120°F (-17°C to +50°C)
 "CT" cold temp. version -40°F to 120°F (-40°C to +50°C)
 Humidity 10% to 90% noncondensing
 RFI immunity greater than 10 V/meter from 1 to 1000MHz
 Static immunity 20kV
 Lightning immunity 2.5kV, 2 joules max. energy
 impulse, 1 msec rise / 50 msec decay

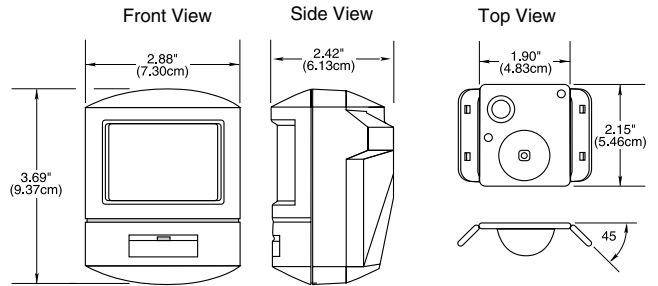
Features

Pulse count Bi-directional, 1 event (2 pulses) or
 2 events (4 pulses) with Motion Verification
 Range
 Standard 45' (13.7m) x 90°
 Long Range 90' (27.4m) x 6°
 Extra Wide Angle 20' (6.1m) x 140°
 Curtain 40' (12.2m) x 6°
 Pet Alley 35' (10.7m) x 90°
 Single Beam Pet Alley 50' (15.2m) x 6°
 Standard swivel bracket ±10° left/right, 10° up, 15° down
 Mounting Wall or corner (with or without swivel bracket)
 LED indicator Walktest
 "AL" alarm memory version Latching
 Dimensions 3.69" (9.37cm) H
 2.88" (7.30cm) W
 2.42" (6.13cm) D
 Color Off-white

Lens Coverage

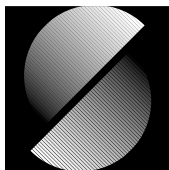


Dimensions



Ordering Information

Model Number	Loop Type	Electrical Configuration	Comments	Listing
6155	Closed	N.C.		UL, ULC
6157	Closed, Open	SPDT (N.C. and N.O.)		UL, ULC
6155CT	Closed	N.C.	Cold Temperature	UL, ULC
6157CT	Closed, Open	SPDT (N.C. and N.O.)	Cold Temperature	UL, ULC
6155AL	Closed	N.C.	Alarm Memory	UL, ULC



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