



6250 SERIES PASSIVE INFRARED

SureShot™ PIR

Model numbers:
6255, 6257



- **Patented lens design provides five coverage patterns:**
 - **360° ceiling mount**
 - **Wide angle, wall or corner mount**
 - **Pet alley**
 - **Vertical barrier**
 - **Single spot**
- **Easy to install — no adjustments necessary**
- **Advanced signal processing eliminates false alarms**
- **Excellent for residential and light commercial applications**

Sentrol's 6250 SureShot™ Series passive infrared detector is an advanced PIR designed for excellent detection while offering increased immunity to RFI, vibration, static, stray light, rapid temperature changes, and other false alarm sources.

The detector utilizes a dual pyroelectric sensor. It also features a sequence processor that combines bi-directional pulse counting 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 features four masking plates to easily select the following patterns of coverage: 360° ceiling mount, wide angle, pet alley, vertical barrier and single spot. All these patterns are available with the standard lens. The unit is shielded against RF interference and the pyro is fully sealed from drafts, bugs and dust.

Mounting flexibility is achieved by simply unsnapping the circuit board assembly and mounting the back case directly to wall, corner or ceiling.

The 6250 SureShot™ Series has an attractive case molded from 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 6250 Series SureShot™

Specifications:

Electrical

Voltage 7 to 16 V DC
 Current 8 mA typical, 10 mA max.
 Maximum loop rating 16 V DC, 50 mA
 Alarm output Fail safe contacts w/ 10 Ohms in series,
 6255 - Form A, Normally Closed (N.C.)
 6257 - Form C, Normally Closed and Open (SPDT)
 Alarm duration 2 to 5 seconds
 Cover tamper contacts Normally Closed, rating: 50mA

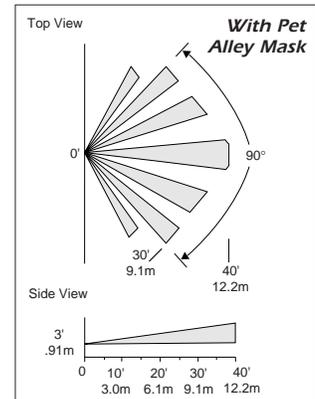
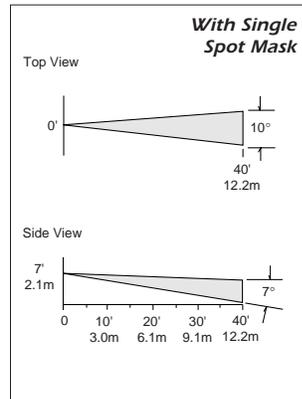
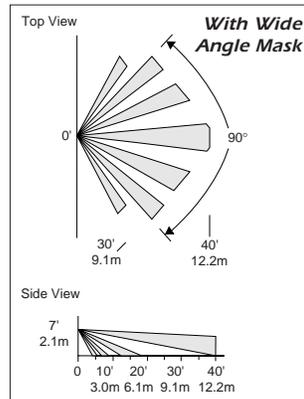
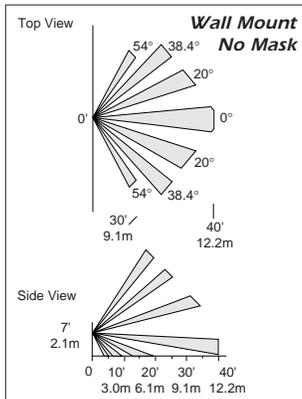
Environmental

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

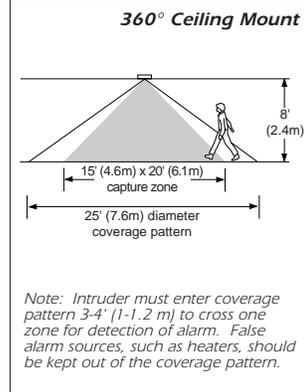
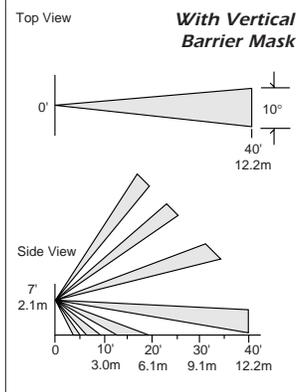
Features

Pulse count Bi-directional, 1 zone (2 pulses)
 with Motion Verification
 Range
 Wide Angle (90°) 30' x 30' (9.14 m x 9.14 m)
 Single Spot 40' (12.19 m) range
 Vertical Barrier 40' (12.19 m) range
 Pet Alley (90°) 30' (9.14 m) range
 360° Ceiling 15' x 20' (4.57 m x 6.10 m) at 8' (2.44 m) high
 16' x 30' (4.88 m x 9.14 m) at 12' (3.65 m) high
 Ceiling mounting height up to 12' (3.65 m)
 Mounting Wall, corner or ceiling
 LED indicator Walktest
 Dimensions 3.70" (9.40 cm) H
 2.20" (5.59 cm) W
 1.20" (3.05 cm) D
 Color White/white

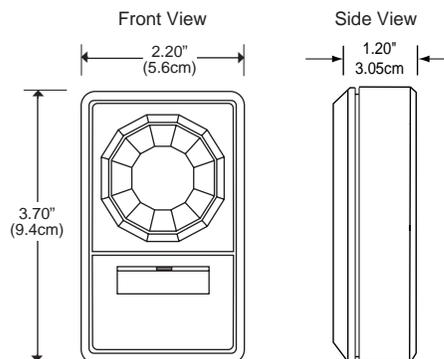
Lens Coverage



Note: Lens must be inverted for pet alley



Dimensions



Ordering Information

Model Number	Loop Type	Electrical Configuration	Listing
6255	Normally Closed	N.C.	UL
6257	Normally Closed or Open	SPDT (N.C. and N.O.)	UL



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