

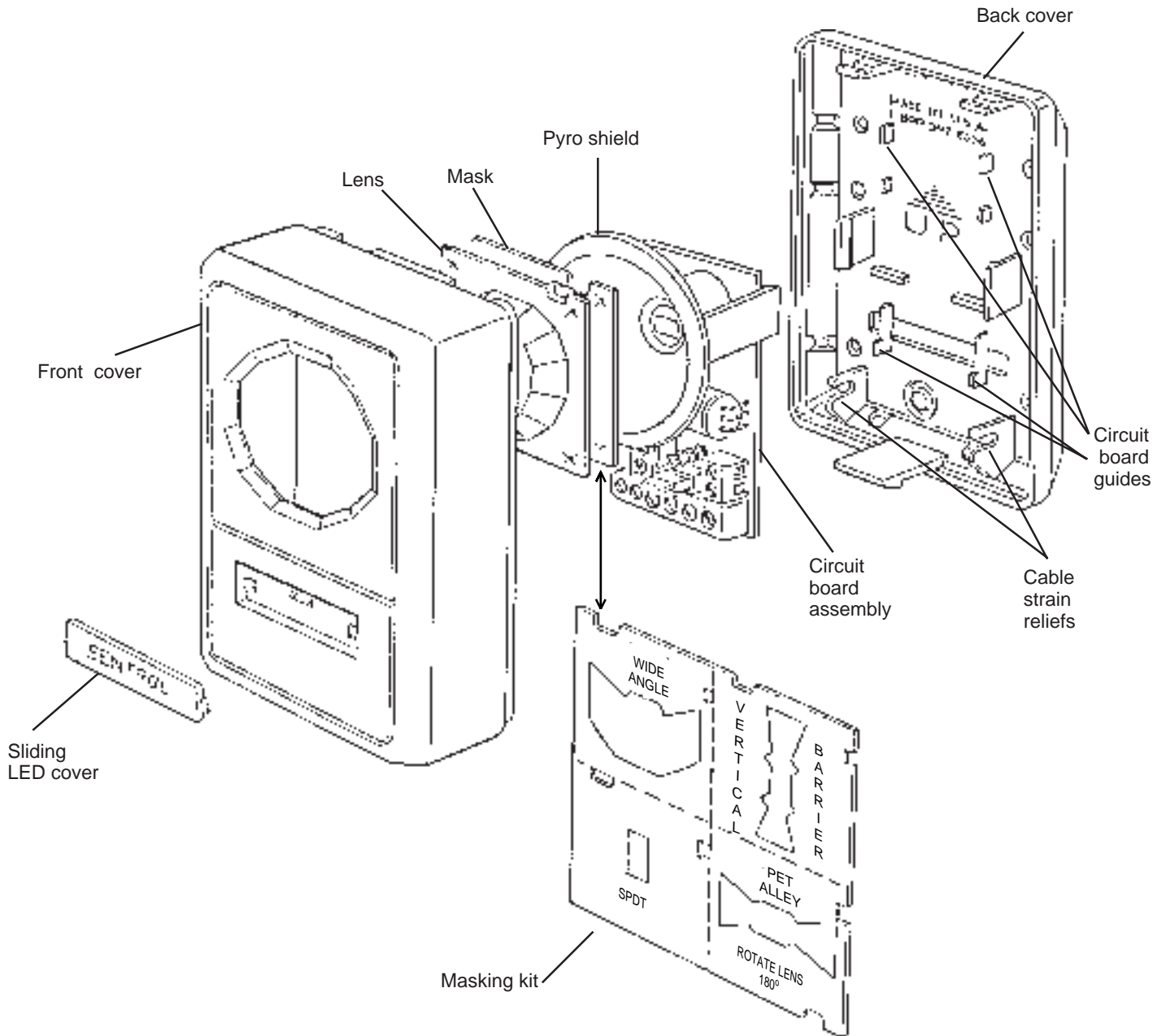


SENTROL

## 6250 Series SureShot PIR

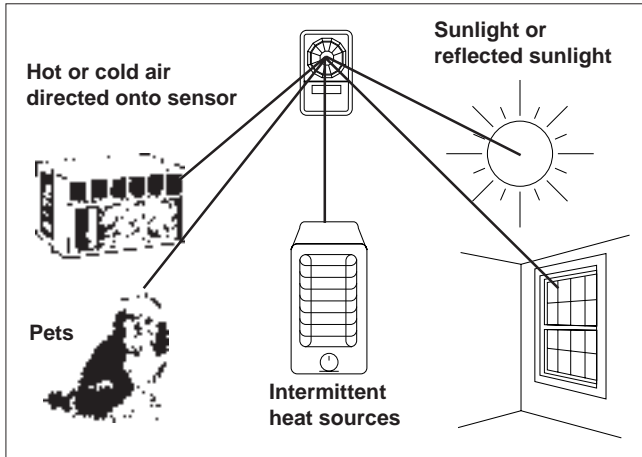
Installation Instructions

Models 6255, 6257



# INSTALLING THE SURESHOT

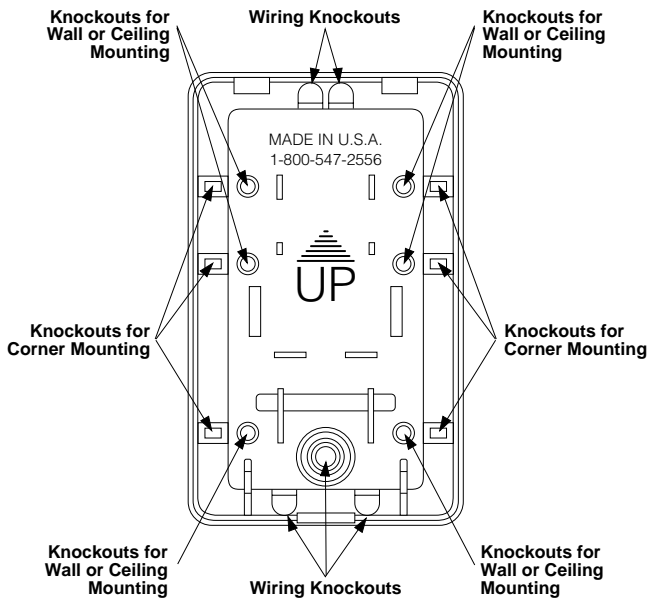
## Avoid False Alarm Sources



For false-alarm-free operation, a PIR should not "see" sources of heat or cold.

## Mounting

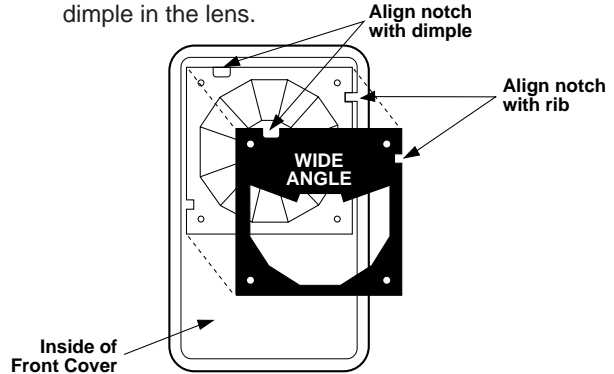
1. Remove front cover by gently prying apart at bottom. Front cover hinges at top.
2. Remove circuit board assembly by holding pyro shield and pulling out of back cover.
3. Mount back cover to ceiling, wall or corner. For wall mounting, make sure "up" arrow is pointing up. Use appropriate mounting knockouts.



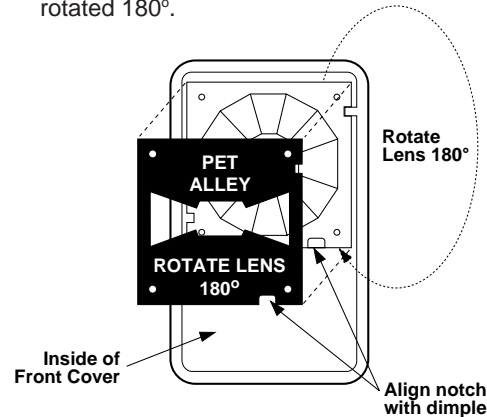
4. Snap circuit board assembly back into back cover by aligning lower edge of board with circuit board guides and pressing into place.
5. Connect wires per "wiring" diagrams on following page. A wiring diagram is also included on the inside of the front cover. You can strain relieve your wire cable by wrapping it around the strain relief posts in the lower corners of the back cover.

6. Choose which masking plate you need, if any. Insert behind lens on front cover by pressing over four mounting pins. Once front cover is installed the masking plate will be held tight against the lens.

**Note:** Masking plates have two notches to prevent incorrect installation. One notch matches a rib in the front cover. The second notch matches a dimple in the lens.

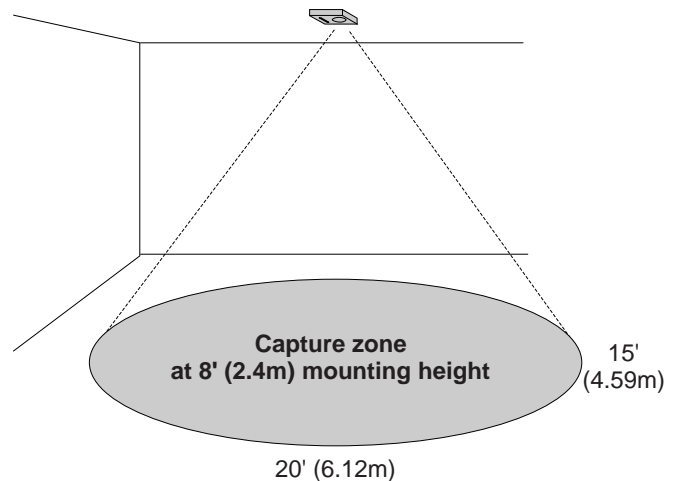


**Note:** To correctly mount the Pet Alley Mask, the lens must be removed from the front cover and rotated 180°.



7. Replace front cover.

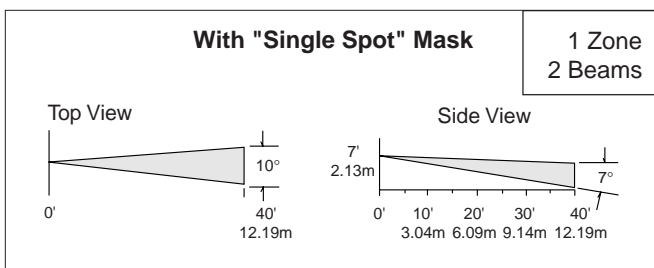
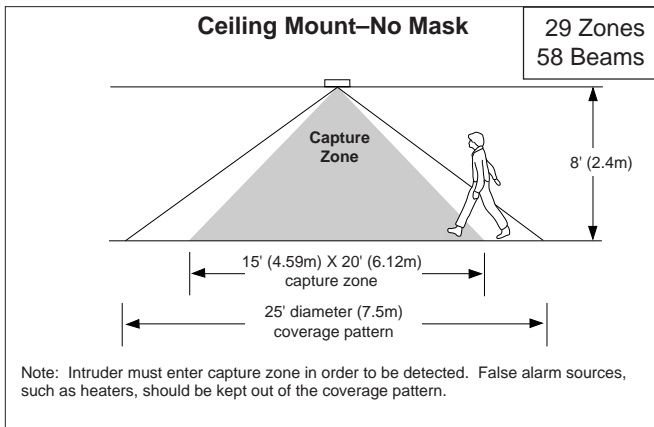
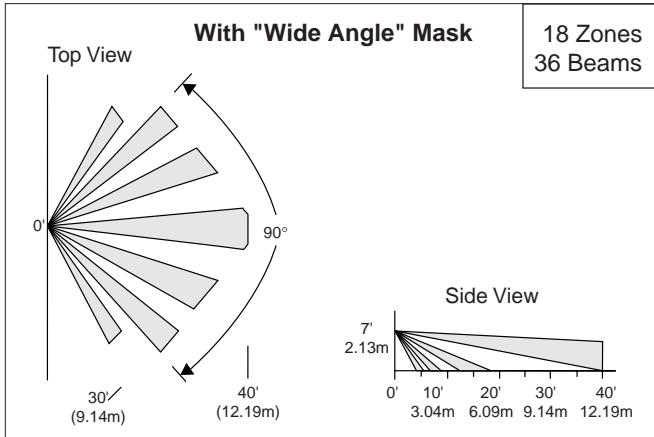
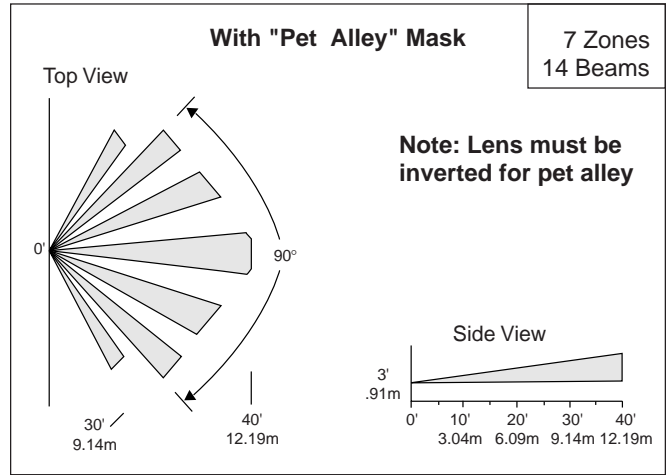
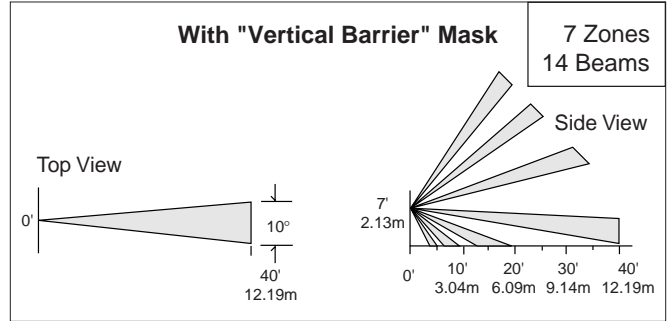
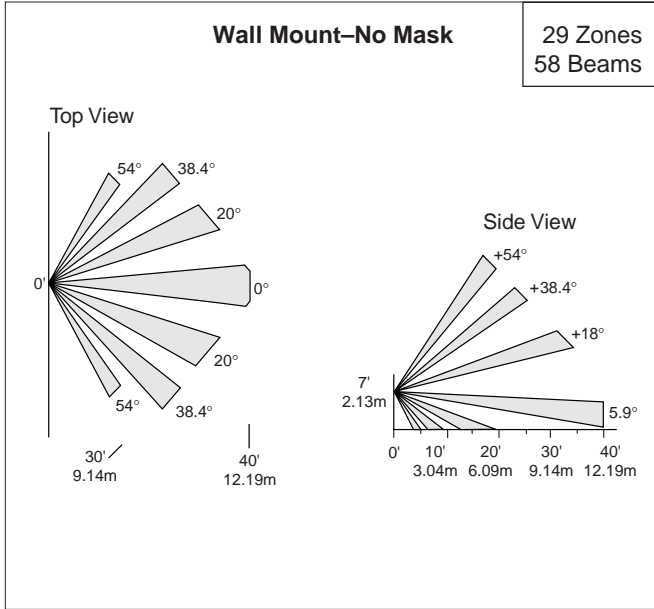
**Note:** When mounting on the ceiling, align the unit to maximize the oblong detection pattern for the room.



8. After walk testing, the LED cover can be slid up to cover the LED.

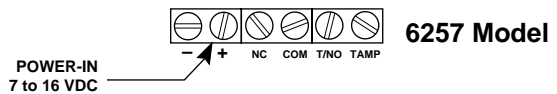
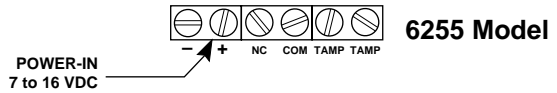
**Note:** Unit should be walktested monthly to ensure continual

## ZONE PATTERNS



## Wiring

Strip back the outer jacket on your wiring cable. This will allow wires to flex in the case. Use cable strain relief built into back cover to prevent stressing wires at their connection.



**Note:** The unit should be connected to a UL listed power supply, capable of providing four hours of standby power.

## SURESHOT SPECIFICATIONS

### FEATURES

Pulse Count ..... Bi-directional, 1 zone (2 pulses)  
with Motion Verification

Capture Zone (at 70° F)

Wide Angle (90°) ..... 30' (9.14m) x 30' (9.14m)

Single Spot ..... 40' (12.19m) range

Vertical Barrier ..... 40' (12.19m) range

Pet Alley (90°) ..... 30' (9.14m) range

360° Ceiling ..... 15' x 20' (4.57m x 6.10m) at 8' (2.44m)  
mounting height  
..... 16' x 30' (4.88m x 9.14m) at 12' (3.65m)  
mounting height  
..... Ceiling mounting height up to 12'(3.65m)

Mounting ..... Wall, corner, or ceiling

LED indicator ..... Walktest

Size ..... 2.25"(5.72cm)W  
3.75" (9.52cm)H  
1.20" (3.05cm)D

Color ..... White/White

### ELECTRICAL

**6255**

**6257**

Voltage ..... 10 to 16 VDC ..... 7 to 16 VDC

Current ..... 14mA typical, ..... 8mA typical,  
20mA max. ..... 10mA max

Max. relay rating ... 16VDC, 50 mA ..... 16VDC, 50 mA

Alarm output ..... Fail safe contacts ..... Fail safe contacts  
w/10 ohms in series  
Form A, ..... Form C,  
Normally Closed (NC) ... Normally Closed and  
Open (SPDT)

Alarm duration ..... 2 to 5 seconds ..... 2 to 5 seconds

Cover tamper ..... Normally Closed, ..... Normally Closed,  
contacts ..... rating: 50 mA, 12VDC .. rating: 50 mA, 12VDC

### ENVIRONMENTAL

Operating Temp. .... 0°F to 120°F ..... 0°F to 120°F  
(-17°C to +50°C) ..... (-17°C to +50°C)

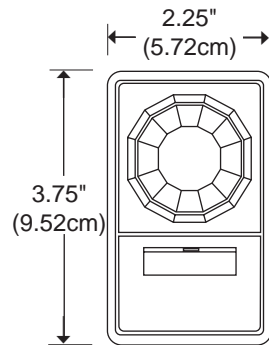
Humidity ..... 10% to 90% ..... 10% to 90%  
noncondensing ..... noncondensing

RFI immunity ..... greater than 20V/m ..... greater than 10V/m  
from 0 to 1000MHz ..... from 0 to 1000MHz

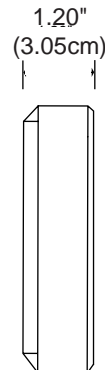
Static immunity ..... 20KV ..... 2.5KV

Lightning immunity ..... 2.4KV, ..... 2.5KV,  
1.2 joules max energy .... 2 joules max energy  
impulse, ..... impulse,  
100 µsec duration ..... 1msec rise/50 msec  
in field wiring ..... decay

**Front View**



**Side View**



PART NUMBER	LOOP TYPE	ELECTRICAL CONFIGURATION	LISTING
6255	Normally Closed	N.C.	UL
6257	Normally Closed or Open	SPDT (N.C. and N.O.)	UL



**SENTROL**

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