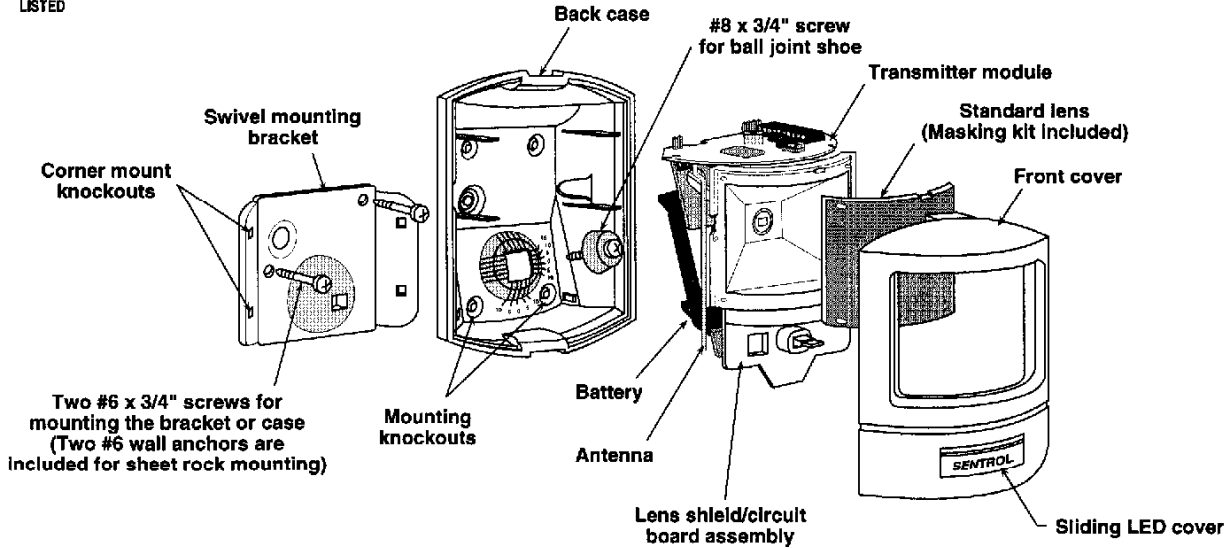


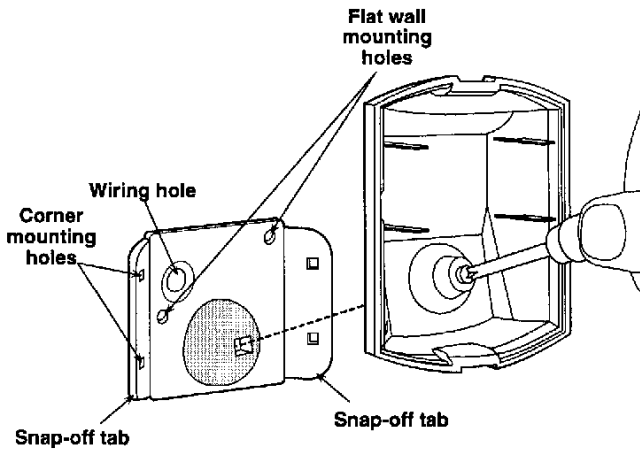
SENTROL

Wireless

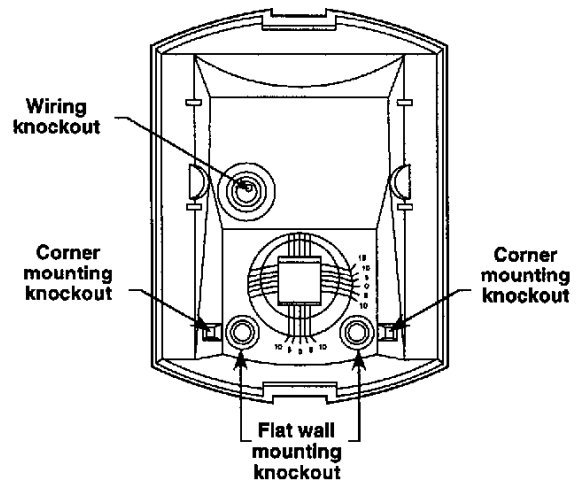
**Model 4655
3 Volt Wireless Sharpshooter™ PIR**



MOUNTING WITH SWIVEL BRACKET



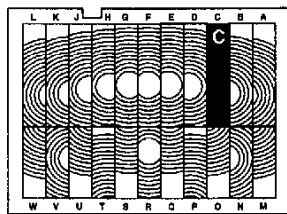
MOUNTING WITHOUT SWIVEL BRACKET



NOTE: When mounting Sharpshooter® at 6'10" (for typical coverage), align arrows on ball joint shoe with zeroes on ball joint. This is 0° setting. For every 1' above typical mounting height, tilt shoe down 1°. For example: 7'10", tilt down 1°; 8'10", tilt down 2°; etc.

MASKING

1. Identify the lettered zone that needs masking. Below, Zone C has been identified.
2. Unsnap shield from front cover by grasping edge of circuit board and gently rotating lens shield/circuit board assembly. Remove lens from shield. Make sure fingers are clean.
3. Locate corresponding lettered strip on masking kit. (The curtain lens has no masking kit.)
4. Peel off masking strip and press onto corresponding **grooved** segment on lens. Notch of lens must be up.
5. Re-install lens in shield. Notch on lens matches notch on shield.
6. Snap shield/circuit board assembly into front cover.



SENTROL, INC.®



STANDARD LENS
PEEL AND STICK TO GROOVE SIDE OF LENS

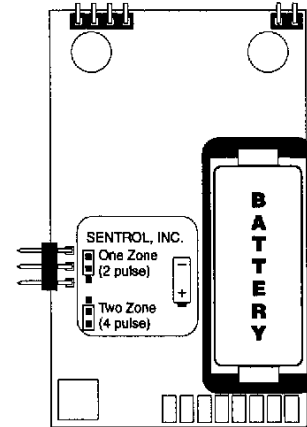
SELECTING ZONE DETECTION

Position the jumper as shown to select one or two zone detection.

1-Zone Detection

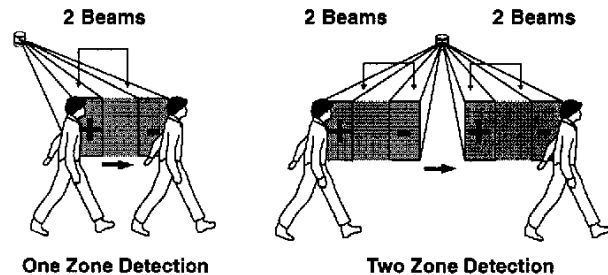


2-Zone Detection



Each zone is made up of two beams, one positive and one negative. With one zone selected, Sharpshooter® detects the intruder moving across one zone. **One zone detection must be selected for long range and curtain lenses.**

With two zones selected, Sharpshooter® detects the intruder moving across **two zones**. Two-zone detection is recommended (except when using long range or curtain lenses) to reduce chances of false alarms.



Note

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Re-orient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

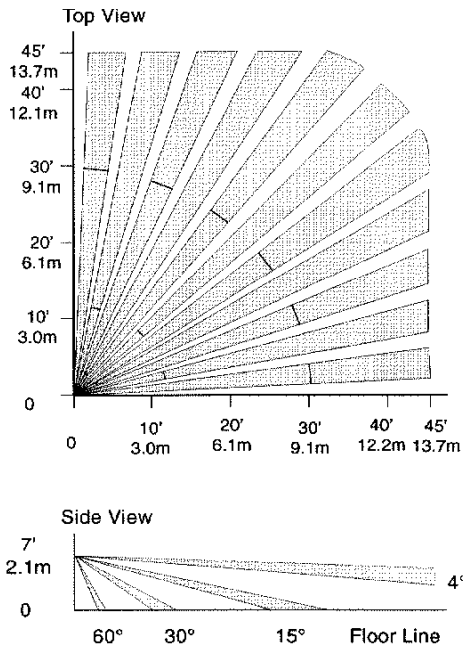
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Protected under U.S. and foreign patents including: 3,863,250; 4,745,398; 4,837,558; 5,192,931 and other patents pending.

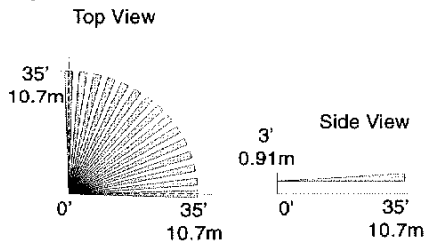
FCC ID: A794655 IC ID: 145 102 733

ZONE PATTERNS

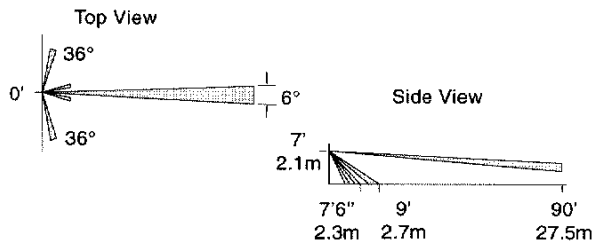
Standard



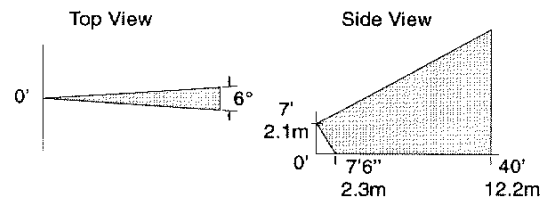
Pet Alley



Long Range



Curtain



RF SET-UP

The Sentrol 4655 Wireless Sharpshooter® contains a built-in Transmitter. After selecting the best location and mounting method for the detector:

1. Insert the 3 volt lithium battery (supplied with the detector) into the battery holder, observing proper polarity.
2. Write down the 6 digit device address code located on the side of the battery holder.
3. Reassemble the front cover assembly into the back case.
4. Walktest detector to ensure proper coverage.
5. After walktesting, program the device address into the control/receiver. Follow the programming and testing instructions contained in the control/receiver manual to perform these important steps.

RF Mode

Once the unit has timed out of the Walktest Mode (approx. $2\frac{1}{2}$ minutes) it will only alarm if no alarms have occurred for 135 seconds. In addition, the LED is disabled so that battery consumption is reduced. To do a final test, leave the area for 3-4 minutes allowing the PIR to stabilize and reset.

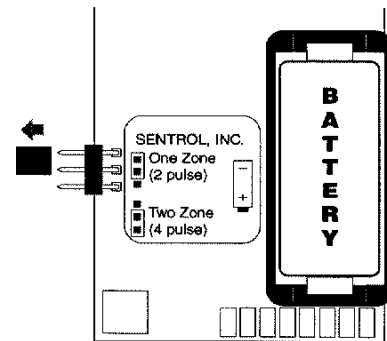
Walktest Mode

Once the cover of the unit is opened and closed, the unit enters the Walktest Mode for approximately $2\frac{1}{2}$ minutes. This mode allows the PIR and Transmitter to alarm on every one or two zone detections, as set by the Zone Jumper. In addition, the LED is enabled to light on every alarm. Walktest the detection pattern and make any necessary pattern adjustments.

Beam Location Mode

Removing the jumper will put the unit into beam location mode.

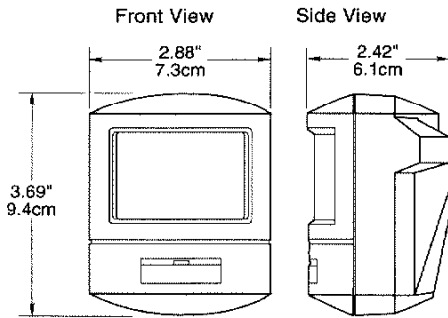
To access this mode, remove the zone-selection jumper. Removal of the jumper doubles the sensitivity (gain) of Sharpshooter, and allows the LED to light as you enter each beam (each zone contains 2 beams). You must be in Walktest mode for the LED to light.



SPECIFICATIONS

Voltage 2.7V to 3.3 VDC
supplied from 3V lithium battery
Current 24 µA typical average
Battery Life 5 years typical
Transmitter Frequency 418MHz
Transmitter Conditions alarm, tamper, low battery,
supervisory
Operating Temperature 0°F to 120°F (-20°C to +50°C)
Humidity 10% to 90% non-condensing
RFI immunity <10V/meter@0 to 1000Mhz
Pulse Count bi-directional, 1 event (2 pulses) or
2 events (4 pulses)
Range:
Standard lens 45' (13.7 m) x 90°
Long range lense 90' (27.5 m) x 6°
Curtain lens 40' (12.1 m) x 6°
Pet Alley lens 35' (10.7 m) x 90°
Standard swivel bracket ±10°up, 15°down
Mounting wall or corner (with or without swivel bracket)
LED indicator Walktest only, disabled in RF mode
Color White
Listing UL 639

Important: The specifications listed for battery life and RFI immunity have not been verified by UL.



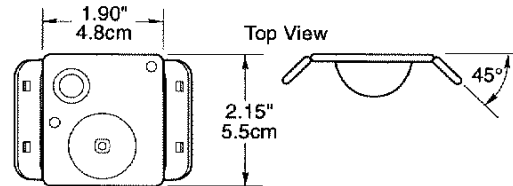
DESCRIPTION

The Sentrol 4655 series passive infrared detector is a low-current PIR highly sensitive to moving infrared sources and features increased immunity to RFI, vibration, static, temperature changes, and other false alarm sources.

The detector utilizes a dual pyroelectric sensor with jumper-selectable one- or two-zone detection. It also features a sequence processor that combines bi-directional pulse counting and event verification. An opaque, frosted-white, visible-light filtering fresnel lens focuses the infrared energy on the pyroelectric sensor while reducing false alarms from stray light sources. The unit features four interchangeable lenses: standard, long range, pet alley, and curtain.

The unit can be mounted in a variety of configurations using a swivel bracket or can be mounted without the bracket. The range may be affected when using the swivel bracket. A built-in cover slides over the LED for high security.

The 4655 is constructed of fire-retardant ABS plastic and incorporates SMD technology.



ORDERING INFORMATION

Model Number	Description
4655	Sentrol wireless PIR with transmitter and battery
6082	Semi-recessed mounting kit with lenses
6084	Wall/ceiling extension bracket



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