

RF940E Series Wireless  
**Passive Infrared Detector**  
**Intrusion Detector with**  
**Pet Immunity**



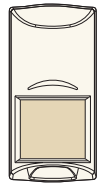
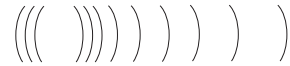
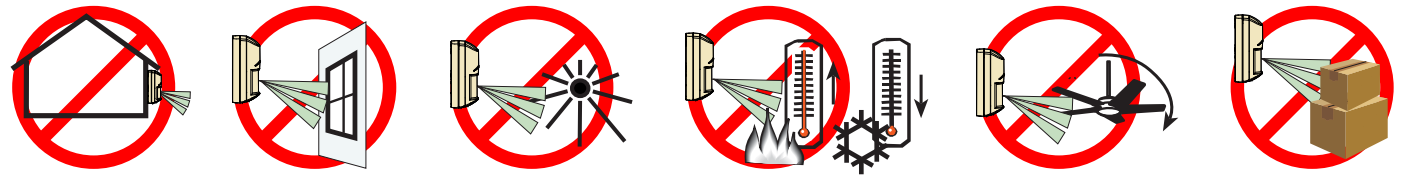
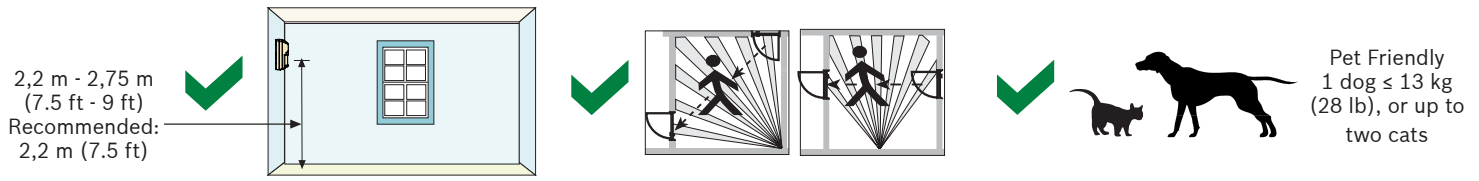
en Installation Guide

**Notice:**

Batteries must not be disposed of in household waste. Dispose of batteries in suitable collection points. For further information refer to <http://boschsecurity.com/standards>

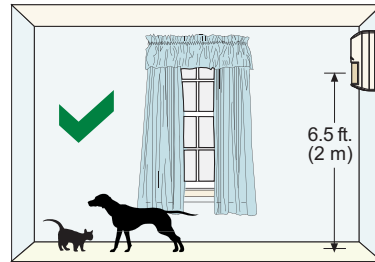
**Reading Bosch Security Systems, Inc. Product Date Codes**

For Product Date Code information, refer to the Bosch Security Systems, Inc. Web site at: <http://www.boschsecurity.com/datecodes/>.

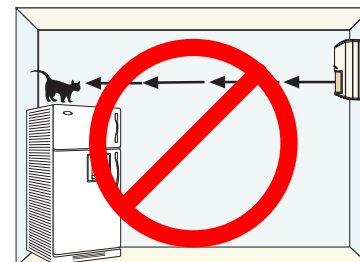


Receiver Range:  
 300 m (984 ft)

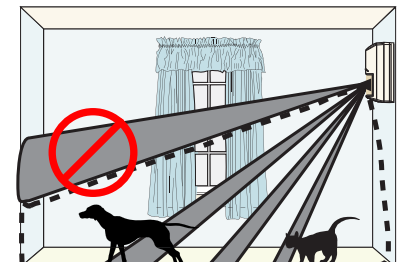
Recommended:  
 100 m (300 ft)



Mount the detector  
 2 m (6.5 ft) above the floor.



Do not point where  
 pets can climb.



The upper areas are  
 not pet immune.

**Specifications**

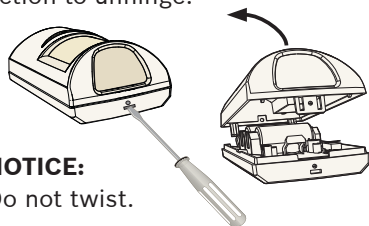
**General**

- Dimensions (HxWxD): 11.2 cm x 6.5 cm x 4.4 cm (4.4 in. x 2.4 in. x 1.7 in.)
- Coverage Area: 12 m x 12 m.
- Operating temperature range of 0°C to +49°C (+32°F to +120°F).
- Relative humidity range of 0% to 95% (non-condensing).
- Maximum RF Power: less than 10mW.
- Operating Voltage: Supplied by two 3 VDC lithium batteries.

- Battery Life: approximately 5 years under normal operation conditions using the recommended battery types.
- Recommended Battery Types: Duracell DL123A, Energizer EL123AP, or Panasonic CR123A.
- Compatible Receivers: RF3212E, RF3222E, or RF3224E.
- Compliance: CE 0165 - this device complies with EN 300683, EN 300220, and 89/336/EEC.
- Options: B335 Low Profile Swivel Mount Bracket (the use of brackets may reduce range and increase dead zone areas)

**1 Installation**

Gently insert a flat-bladed screwdriver into notch for the section you wish to remove, and then lift on the section to unhinge.



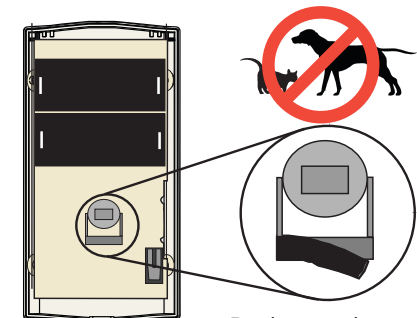
**NOTICE:**  
 Do not twist.

- Remove the board from the case by pressing the mounting tabs toward the side of the case and gently lifting the board.
- Punch out appropriate holes in the mounting plate (for surface or corner applications). For optional swivel mount bracket, see instructions that come with the bracket.

**NOTICE:** To avoid possible circuit board damage, use only the mounting hardware provided in the appropriate punch-out mounting holes.

- In non-pet applications only, if look-down is desired, peel away the look-down mask. Do not remove the clear plastic lens.
- Mount the detector between 2.3 m and 2.7 m high.

**2 Mask Removal for non-pet applications**



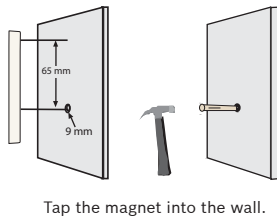
Peel away the mask.

### 3 Mounting

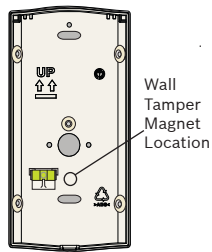
If wall tamper is desired:

Determine the location of the detector. Measure 65 mm from the center of the detector and mark the spot on the wall. Drill a 9 mm hole in the wall.

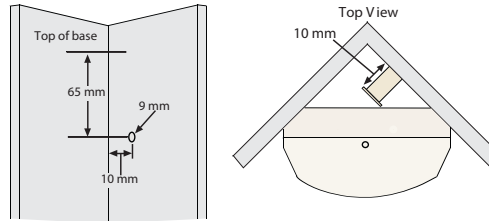
#### Surface Mounting:



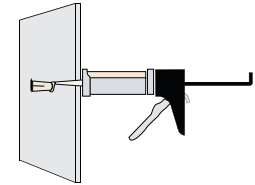
Tap the magnet into the wall.



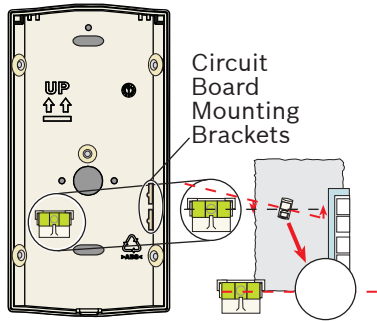
#### Corner Mounting:



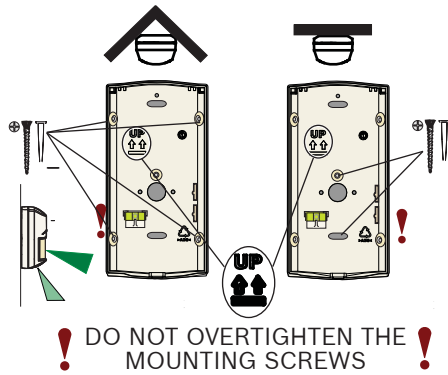
Do not mount the magnet flush with the wall. A small amount of adhesive is recommended to keep the magnet in place.



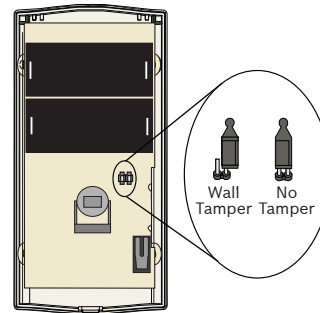
### 4 Leveling



Circuit Board Mounting Brackets



### 5 Set the Wall Tamper jumper.



### 6 Programming your Control/Communicator Panel

There is a two part ID sticker located on the back of the cover of the RF940E. You will need the number off this sticker to program this device into the system.

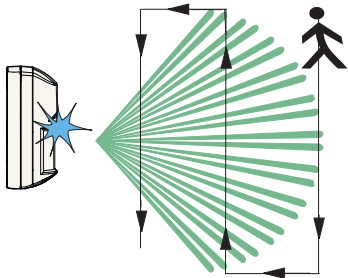


See your Panel's Wireless Reference Guide for programming information for wireless-type

### 7 Battery Installation

The batteries are not installed in the detector when it is shipped. When installing the batteries it is necessary to observe proper polarity or the sensor may not function.

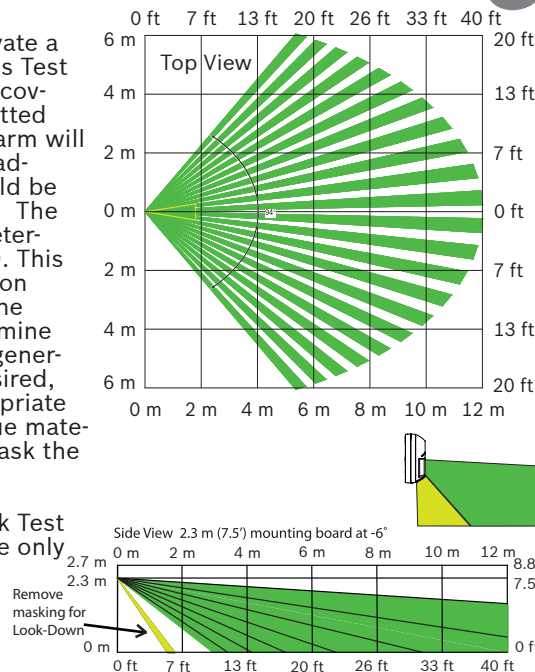
When the batteries are installed, wait at least 5 minutes before activating the Walk Test Mode. The LED will stop flashing when the detector is ready to test (the sensor requires "lack of motion" to stabilize on startup).



### 8 Pattern Testing

Remove and replace cover to activate a 90-sec Walk Test Mode. During this Test Mode, any activity in the sensor's coverage pattern will cause a transmitted alarm and LED activation. Each alarm will also extend the Test Mode for an additional 90-sec. Walk Testing should be done across the coverage pattern. The edge of the coverage pattern is determined by the first flash of the LED. This may change slightly depending upon the sensitivity setting. Walk Test the unit from both directions to determine the pattern boundaries. Although generally not required, if masking is desired, the lens diagram shows the appropriate areas to be masked. Use an opaque material (such as, electrical tape) to mask the desired areas.

**NOTICE:** Excessive use of the Walk Test Mode may reduce battery life. Use only for initial setup and maintenance testing.



### 9 Final Testing

While the detector is in the Walk Test Mode, turn on all heating and air conditioning sources which would normally be active during the protection period. Stand away from the sensor and outside the coverage pattern and watch for alarms. After setup and tests are completed, and there has been no activity in the sensor's coverage pattern for approximately 90-sec, the LED will flash to indicate that the Walk Test mode is ending.

**NOTICE:** In the normal operating mode, an alarm can be transmitted only after three (3) minutes have passed since the previous alarm restoral. This 3 minute lockout time reduces unnecessary RF transmissions in high traffic areas thereby extending battery life.

#### Maintenance

At least once a year, the range and coverage should be verified for proper operation. To assure daily operation, the end user should be instructed to walk through the far end of the coverage pattern to verify an alarm output prior to arming the system.

