RF940U Wireless Passive Infrared Detector With Pet Immunity Installation Instructions

1.0 Description

The RF940U is a high performance Wireless Passive Infrared (PIR) Motion Sensor which uses advanced signal processing to provide outstanding catch performance and unsurpassed false alarm immunity. It is designed to detect movement in the interior of a structure by sensing the Infrared energy emitted from the human body as it moves across the sensor's field of view. When motion is detected, the unit sends an alarm signal to the Control Panel. With Bosch Security Systems' Pet Friendly[®] pet immunity, the RF940U does not detect a dog up to 13.6 kg (30 lbs.), two cats, or numerous rodents.



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4.0 Walk Test

Perform the Walk Test at the time of installation and annually thereafter.

- a. Remove and replace the detector cover to enable the LED and place the detector in Walk Test Mode for 90 seconds. If motion is detected, the detector remains in Walk Test Mode until a 90-second quiet period (no motion detected) occurs.
- b. Walk test across the coverage pattern as shown in the diagram. The edge of the coverage is determined by activation of the LED.
- c. Walk test the unit from both directions to determine the boundaries.
- d. If the desired range cannot be achieved, make sure the board is properly positioned on the baseplate. Try angling the unit up or down when using the optional swivel mount.

The RF940U infrared detector contains an environmental stabilization circuit that requires approximately 3 minutes after initial power-up to warm up. During this time, the detector LED blinks once per second and the detector

does not respond to any movement. After warm up, the detector must not see any movement for 2 seconds to complete stabilization. Rapid LED flash indicates Walk Test Mode is about to end unless an alarm occurs.

Look-Down Zone 5.0 For non-pet applications only.

If look-down is desired, peel away the mask to enable the Look-Down Zone. Do not remove the clear plastic lens.



6.0 **Coverage Patterns**

Although generally not required, masking may be desired to eliminate potential false alarm sources by blocking individual zones (1 through 77 in the zone pattern), or to customize the detection area.

The appropriate lens areas to be masked can be derived from the lens diagram. For example, covering the shaded area in the lens diagram would block zones 5, 16, 27, 38, 49, 60, and 71 (i.e., one group of vertically layered zones).

Use an opaque material such as electrical tape for masking.



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