

RF940E Wireless PIR Detector



Security Systems



The RF940E is a high performance PIR Motion Sensor which uses advanced signal processing to provide outstanding catch performance and unsurpassed false alarm immunity. The RF940E's pet immunity tolerates pets and animals such as a dog up to 13 kg, two cats, or numerous rodents. The detector contains an integral RF transmitter capable of transmitting up to 300 m in open air. The transmitter sends a battery report with each transmission and transmits a supervisory signal to the control panel every thirteen minutes.

Note: Actual acceptable transmitter range should be verified for each installation

Certifications and Approvals

Approvals

CE

CE 0165

This device complies with

EN 300683, EN 300220, and 89/336/EEC.

Installation/Configuration Notes

Mounting Considerations

Surface or corner mount (with or without the optional bracket) at a height between 2.3 m and 2.7 m high.

- The maximum wireless range of the detector, in open air, is approximately 300 m. In normal household or commercial applications, keep the detector within 100 m of the assigned control panel receiver.
- Temporarily mount the detector using double-sided tape, and test it for both detector coverage and RF range from the desired location before mounting it permanently.
- Mount the detector where an intruder will most likely cross through the coverage pattern.
- Do not mount in areas with large metallic surfaces such as heating ducts or electrical wiring which may inhibit the sensor's RF signals from reaching the control panel receiver.
- Do not mount the detector outdoors or where direct sunlight can reach it.
- In pet immune applications, do not mount where pets can climb because the upper areas are not immune to pets.

Note: Optional mounting brackets can reduce the range and increase dead zone areas. Do not use brackets in pet immune applications.

Compatibility Information

Model	Receivers	Control Panels
RF940E	<ul style="list-style-type: none"> RF3212E RF3222E RF3227E 	<ul style="list-style-type: none"> CC488 DS7400XiV4 DS7240

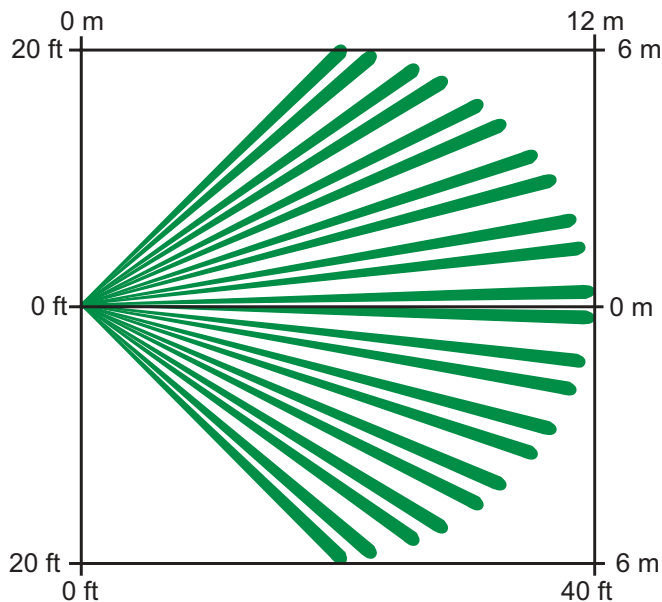
Battery Recommendations

The following battery types are recommended for correct operation of your detector: Duracell® DL123A, Energizer® EL123AP, or Panasonic® CR123A.

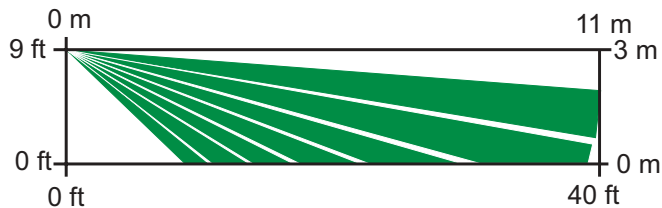
Coverage

Standard Broad: 12 m x 12 m

Top View



Side View



Technical Specifications

Battery Requirements

Battery Life:	Approximately 5 years under normal operating conditions with the recommended battery types.
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Enclosure Design

Dimensions (H x W x D):	7.6 cm x 5.7 cm x 3.8 cm
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Environmental Considerations

Relative Humidity:	Up to 95%, non-condensing
Temperature (Operating):	0°C to +49°C

Power Requirements

Input:	Supplied by two 3 VDC Lithium batteries.
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Transmission Characteristics

Frequency:	433.42 MHz
Maximum RF Power:	less than 10 mW

Ordering Information

RF940E Wireless PIR Detector	RF940E
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Hardware Accessories

B335-3 Low Profile Mount Bracket	B335-3
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