

RF940E Wireless PIR Detector

Prod. ID

RF940E



The RF940E is a high performance PIR Motion Sensor which uses advanced signal processing to provide outstanding catch performance and unsurpassed false alarm immunity. With Detection Systems' Pet Friendly pet immunity, the RF940E will not detect a dog up to 13 kg, two cats, and/or numerous rodents. It contains an integral RF transmitter capable of transmitting up to 300 m in open air. (Actual acceptable transmitter range should be verified for each installation). The transmitter sends a battery report with each transmission and transmits a supervisory signal to the control panel every thirteen minutes.

Certifications and Approvals

Approvals



CE 0165 – this device complies with
EN 300683, EN 300220, and 89/336/EEC.

Planning

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 it is recommended that the detector be kept within 100 m of the control panel receiver to which it is assigned.
- It is recommended that the detector be temporarily mounted, using double-sided tape, and tested for both detector coverage and RF range from the desired location before permanent mounting.

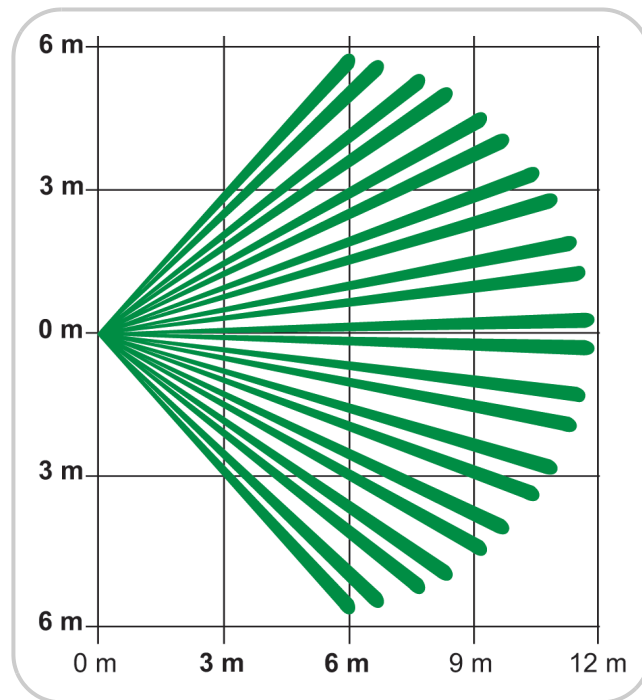
- Mount the detector where an intruder will most likely cross through the coverage pattern.
- Do not mount in areas with large metallic surfaces (e.g. heating ducts) or electrical wiring which may inhibit the sensor's RF signals from reaching the control panel receiver.
- Do not mount the detector outdoors 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: The use of optional mounting brackets may reduce the range and increase dead zone areas and is **not** recommended in pet immune applications.

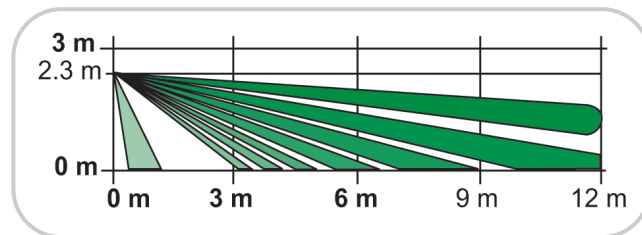
Coverage

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.
Recommended Types:	Duracell® DL123A, Energizer® EL123AP, or Panasonic® CR123A.
Compatible Receivers:	RF3212E, RF3222E, or RF3224E
Enclosure Design	
Dimensions (HxWxD):	7.6 cm x 5.7 cm x 3.8 cm
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.
Transmission Characteristics	
Frequency:	433.42 MHz
Maximum RF Power:	less than 10 mW

■ Hardware Options

B335 Swivel Mount Bracket

Shipped in packages of three.

