RF920 Wireless PIR Detector

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BOSCH
Invented for life

- Broad coverage area of 10 m x 12 m (35 ft x 40 ft)
- Supervisory signal is sent every 65 minutes
- Cover tamper and optional wall tamper
- Adjustable Internal coverage
- Complete status sent with every transmission

The RF920 is a high performance PIR detector that uses advanced signal processing to provide outstanding catch performance and unsurpassed false alarm immunity. It contains an RF transmitter with a maximum range of 150 m (500 ft) in open air.
The RF920 is UL Listed for residential use when used with the DS7400XiV4 Control Panel, the RF3222 RF Receiver, and a wall tamper switch.

Functions

PIR Signal Processing
Motion Analyzer II uses multiple thresholds and timing windows to analyze timing, amplitude, duration, and polarity of signals to make an alarm decision. It tolerates extreme levels of heat and light caused by heaters and air conditioners, hot and cold drafts, sunlight, lightning, and moving headlights. There are three sensitivity settings.

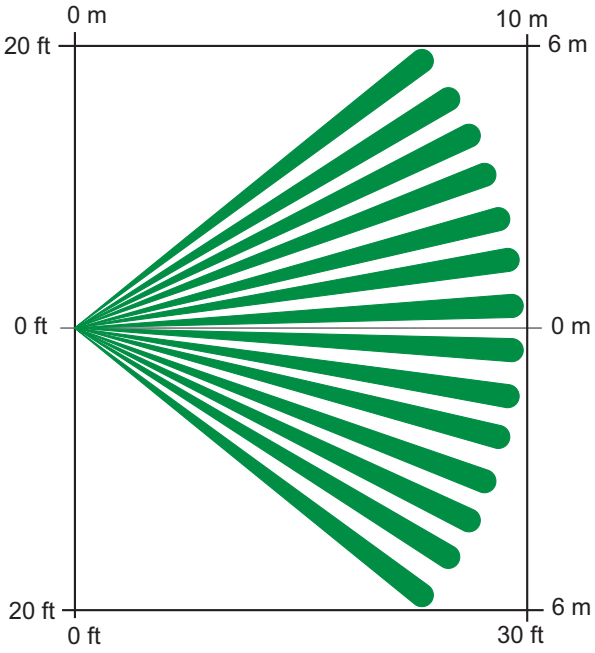
Certifications and approvals

Region	Certification	
USA	UL	ANSR: Intrusion Detection Units (UL639)
	FCC	ESV-0407-5
Canada	IC	12491021088

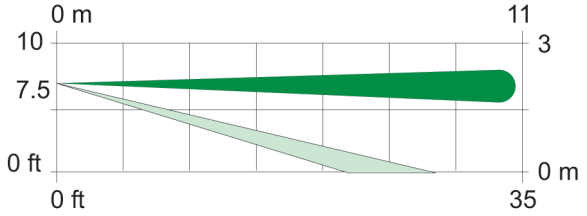
Installation/configuration notes

Battery Recommendations
The following battery types are recommended for the best operation of your detector: Duracell® DL123A, Eveready® CR123A, or Panasonic® CR123A.

Coverage



Top View Broad Coverage: 10 m x 12 m (35 ft x 40 ft)



Side View Broad Coverage: 10 m x 12 m (35 ft x 40 ft)

Compatibility Information

Receivers	Control Panels
RF3212	Solution Ultima 844, 862, and 880, CC488
RF3222	DS7400XiV4
RF3224	DS7240, DS7220, D6412, and D4412

Mounting Considerations

The recommended mounting height range is 2 m to 3 m (6.5 ft to 10 ft).

Technical specifications

Transmission

Frequency:	304.00 MHz
Maximum RF Power:	Less than 10 mW

Electrical

Battery:	3 VDC lithium battery
Battery Life:	5 or more years under normal operating conditions with recommended battery types

Mechanical Properties

Dimensions:	9.8 cm x 7.0 cm x 5.7 cm (3.9 in. x 2.75 in. x 2.25 in.)

Environmental

Relative Humidity:	0% to 95% (non-condensing)
Temperature (operating):	-29°C to +65°C (-20°F to +150°F) *For UL listed requirements, the temperature range is 0°C to +49°C (+32°F to +120°F)*

Trademarks

Duracell® is a registered trademark of the Gillette Company, USA, in the United States and/or other countries.

Eveready® is a registered trademark of Eveready Battery Company, Inc.

Panasonic® is a registered trademark of Matsushita Electric Industrial Co., Ltd.

Ordering information

RF920 Wireless PIR Detector
A high-performance PIR detector that uses advanced signal processing to provide outstanding catch performance
Order number **RF920**

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2568798219 | en, V1, 01. Oct 2013