

**BOSCH**  
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# RF920 Wireless PIR Detector



- ▶ 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.

## 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.

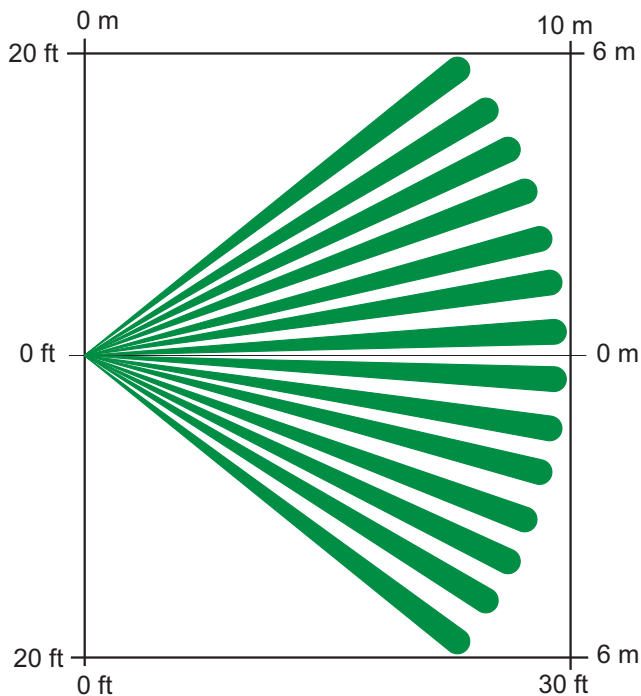
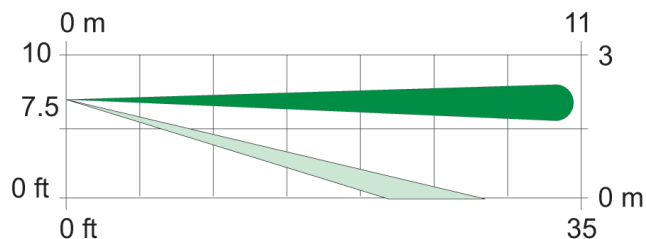
## Functions

### 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

**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**

RF3212

RF3222

RF3224

**Control Panels**

Solution Ultima 844, 862, and 880, CC488

DS7400XiV4

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.)
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**Environmental**

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

**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****RF920**

A high-performance PIR detector that uses advanced signal processing to provide outstanding catch performance

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