



BOSCH
Invented for life

FA206i Wireless PIR Sensor



- ▶ **Reliable communication through 900 MHz spread spectrum technology with frequency hopping**
- ▶ **False alarm reduction through 56 bit communication protocol and advanced signal processing**
- ▶ **Long range**
- ▶ **Replaceable 3 V lithium battery**

For residential and high-traffic commercial applications, the FA206i features a rounded design for blending with the environment and offers extended battery life in high-traffic applications. The advanced microprocessor helps ensure capture while minimizing false alarms.

Installation/Configuration Notes

Compatibility Information

Receivers FA400, FA404R, FA416R, FA422

Functions

Communication Reliability

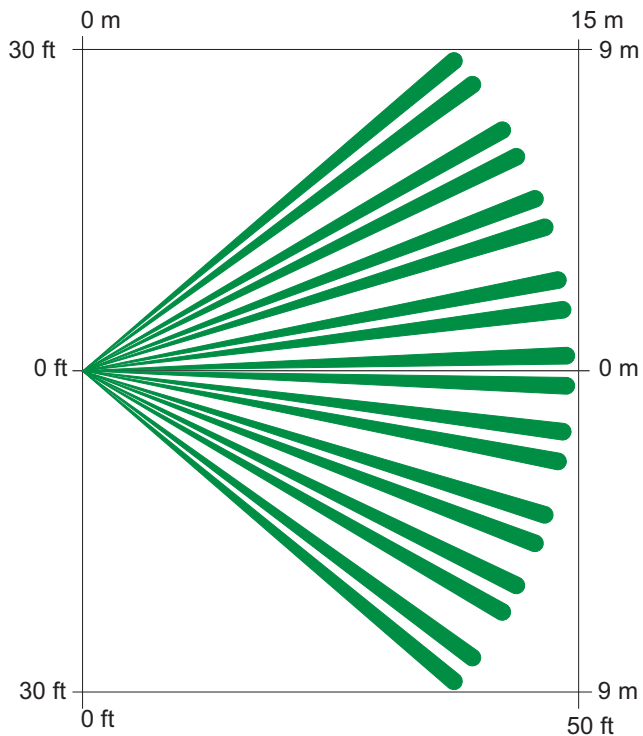
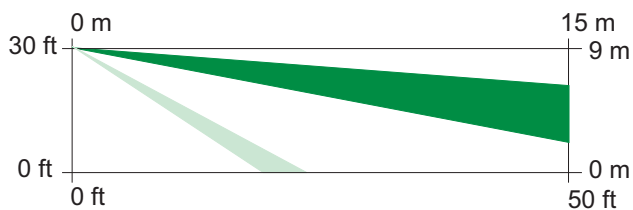
Using a bandwidth of at least 10 MHz in the 900 MHz range with a frequency hopping technique that sends redundant messages across that bandwidth reduces interference and provides a greater range for more reliable communication. The shorter wavelength at 900 MHz allows signals to pass through narrow openings in both commercial and residential environments. The higher transmission power allowed by the Federal Communications Commission (FCC) for 900 MHz spread spectrum systems results in a longer open-field range than traditional 300 MHz products.

False Alarm Reduction

The 56 bit communication protocol eliminates lost or incorrectly decoded signals due to radio interference.

Certifications and Approvals

Complies with: FCC Part 15

Coverage Patterns**Top View Broad: 18 m x 15 m (60 ft x 50 ft)****Side View Broad: 18 m x 15 m (60 ft x 50 ft)****Mechanical**

Color:	Gray
Dimensions:	14 cm x 6.9 cm x 5.6 cm (5.55 in. x 2.7 in. x 2.2 in.)
Sleep Time:	90 seconds; extends sleep time in high-traffic areas
Frequency:	902 MHz to 928 MHz
Modulation:	Spread spectrum through frequency hopping
Range (open field):	1.6 km (1 mile)

Environmental

Relative Humidity:	Up to 95% non-condensing
Temperature (operating):	0°C to +60°C (+32°F to +140°F)

Trademarks

Duracell® is a trademark owned or used by The Gillette Company or its affiliates.

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

Ordering Information**FA206i Wireless PIR Sensor**

Wireless, extended battery life, advanced microprocessor to minimize false alarms

FA206i**Technical Specifications****Electrical**

Average Life:	2 yr typical (depends highly on traffic within the PIR's coverage area)
Power:	3 V
Type:	Duracell® DL123A, Panasonic® CR123A

Americas:
Bosch Security Systems, Inc.
130 Perinton Parkway
Fairport, New York, 14450, USA
Phone: +1 800 289 0096
Fax: +1 585 223 9180
security.sales@us.bosch.com
www.boschsecurity.us

Europe, Middle East, Africa:
Bosch Security Systems B.V.
P.O. Box 80002
5600 JB Eindhoven, The Netherlands
Phone: +31 40 2577 284
Fax: +31 40 2577 330
emea.securitysystems@bosch.com
www.boschsecurity.com

Asia-Pacific:
Robert Bosch (SEA) Pte Ltd, Security Systems
11 Bishan Street 21
Singapore 573943
Phone: +65 6258 5511
Fax: +65 6571 2698
apr.securitysystems@bosch.com
www.boschsecurity.com

Represented by