

FA206i Wireless PIR Sensor

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Invented for life



- ▶ 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.

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

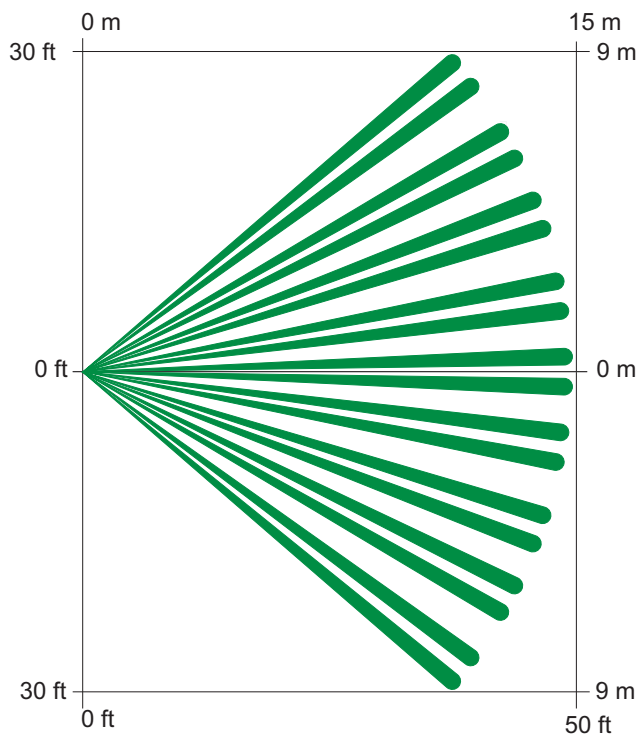
Complies with: FCC Part 15

Installation/configuration notes

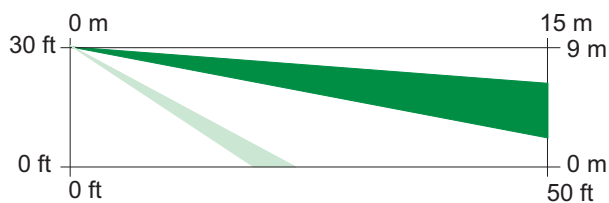
Compatibility Information

Receivers FA400, FA404R, FA416R, FA422

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)

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

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
Order number **FA206i**

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