

FA202 Wireless Smoke Detector and Transmitter

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The FA202 Wireless Smoke Detector continually monitors sensitivity and operational status and transmits a CleanMe® signal when servicing is necessary. The FA202's low-profile design blends in with any environment.

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.

- ▶ Reliable communication through 900 MHz spread spectrum technology with frequency hopping
- ▶ False alarm reduction through 56 bit communication protocol and advanced signal processing
- ▶ Fully supervised with transmitter check-in once per minute
- ▶ CleanMe signal indicates when the detector needs service
- ▶ Disposable optical block chamber for on-site replacement

Self-Testing

Once a minute the fully supervised transmitter sends signals to the receiver to test the system for low battery, tamper, and inactive status.

Certifications and approvals

Inovonics™ Wireless holds these Listings and Approvals:

Listings and Approvals	UL217, Single and Multiple Station Smoke Alarms
Complies with:	FCC Part 15

Installation/configuration notes

Compatibility Information

Receivers	All Inovonics receivers, including FA400, FA404R, FA416R, and FA422, when used with Bosch control panels.
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Technical specifications

Electrical

Average Life:	3 to 5 years (typical)
Power:	3 VDC
Number of Batteries:	2
Type:	Duracell® DL123A, Panasonic® CR123A

Mechanical

Color:	Off-white
Dimensions:	14 cm x 6.7 cm (5.5 in. x 2.63 in.)
Weight (with batteries):	281 g (9.9 oz)
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):	+4°C to +38°C (+40°F to +100°F)

Trademarks

CleanMe® is a registered trademark of GE Interlogix, Inc. in the United States and/or other countries.

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

Inovonics™ is a trademark of Inovonics Wireless.

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

Ordering information

FA202 Wireless Smoke Detector and Transmitter

Continually monitors operational status and transmits a signal when service is required

Order number **FA202**

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