

FA210 Series Reduced-Size Universal Transmitters

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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

Each FA210 Series Transmitter model can program check-ins at 5-minute, 60-second, 30-second, and 10-second intervals. The transmitters are suitable for high security installations that require a tight supervision window and also for residential installations where a four hour window is sufficient.

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

Control Panels D9412GV2, D7412GV2, and D7212GV2

D9412G, D7412G, v6.30 or higher

D7212G, v6.41 or higher

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

Technical specifications

Electrical

Average Life: 4 yr to 5 yr

Power: 3 VDC

Type: Duracell® DL123A, Panasonic® CR123A

Mechanical

Dimensions:	8.9 cm x 4.3 cm x 2.3 cm (3.5 in. x 1.7 in. x 0.9 in.)
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

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

Inovonics™ is a trademark of Inovonics Wireless.

Ordering information

FA210 Universal Transmitter (Off-White)

Off-white enclosure. Includes a case tamper, and supports an end-of-line (EOL) resistor. Works with any standard contact or sensor. A hinged mounting bracket makes installation quick and easy.

Order number **FA210**

FA210-BN Universal Wide Gap Transmitter (Brown)

Brown enclosure. Includes a case tamper, and supports an end-of-line (EOL) resistor. Works with any standard contact or sensor. A hinged mounting bracket makes installation quick and easy.

Order number **FA210BN**

FA210W Universal Wide Gap Transmitter (White)

Wide gap model with off-white enclosure. Includes a case tamper and two built-in magnetic reed switches (one on top and one on the side) for maximum flexibility. Supports a normally-open (NO) or normally-closed (NC) external contact when using a reed switch. Supports an EOL resistor and includes a magnet that supports a 1.6 cm (5/8 in.) gap.

Order number **FA210W**

FA210W-BN Universal Wide Gap Transmitter (Brown)

Wide gap model with brown enclosure. Includes a case tamper and two built-in magnetic reed switches (one on top and one on the side) for maximum flexibility. Supports a normally-open (NO) or normally-closed (NC) external contact when using a reed switch. Supports an EOL resistor and includes a magnet that supports a 1.6 cm (5/8 in.) gap.

Order number **FA210WBN**

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