



FA416R Receiver



The FA416R Receiver supports the use of up to 16 supervised transmitters. It provides mechanical Form C relays for five outputs to connect to a compatible control panel or for stand-alone wireless products.

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
- ▶ Four outputs for alarm and one for trouble
- ▶ Supervision of up to 16 transmitters
- ▶ One alarm and five trouble LEDs

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

Complies with: FCC Part 15

Installation/Configuration Notes

Compatibility Information

Category	Products
Control Panels	D9412GV2, D7412GV2, and D7212GV2 D9412G, D7412G, v6.30 or higher D7212G, v6.41 or higher
Repeaters	FA570 and FA575
Transmitters	All Inovonics™ 900 MHz Frequency Agile™ Wireless Transmitters, except the FA212 and FA214 Transmitter, when used with Bosch control panels.

Technical Specifications

Environmental Considerations

Relative Humidity: 0% to 95% (non-condensing)

Temperature (operating): 0°C to +60°C (+32°F to +140°F)

Mechanical Properties

Color: Off-white

Dimensions: 16.4 cm x 9.1 cm x 2.8 cm (6.4 in. x 3.6 in. x 1.1 in.)

Weight: 306.2 g (10.8 oz)

Outputs

Number: Five

Type: Form C Relays

Power Requirements

Current: 260 mA maximum

Voltage: 11 VDC to 14 VDC

Trademarks

Inovonics™ and Frequency Agile™ are trademarks of Inovonics Wireless.

Ordering Information

FA416R Receiver

FA416R

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