

# FA422 Receiver

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**BOSCH**  
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
- ▶ Fully supervised with transmitter check-in once per minute
- ▶ Supports up to 16 fully supervised transmitters
- ▶ Compatible with FA570 and FA575 High Power Repeaters

The FA422 Receiver supports up to 16 fully supervised transmitters and is capable of on-board transmitter programming.

## 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.

### Self-Testing

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

## Certifications and approvals

Complies with: FCC Part 15

## Installation/configuration notes

### Compatibility Information

Category	Products
Control Panels	Bosch D2000 Series (D2212 and D2412) Control Panels
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

### Electrical

Current:	60 mA maximum
Voltage:	11 VDC to 14 VDC

**Mechanical**

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:	150 g (5 oz)
Number:	1
Type:	Serial

**Environmental**

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

**Trademarks**

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

**Ordering information****FA422 Receiver**

Supports up to 16 fully supervised transmitters  
Order number **FA422**

**Represented by:****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  
5617 BA 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 6571 2808  
Fax: +65 6571 2699  
apr.securitysystems@bosch.com  
www.boschsecurity.asia

**China:**

Bosch (Shanghai) Security Systems Ltd.  
201 Building, No. 333 Fuquan Road  
North IBP  
Changning District, Shanghai  
200335 China  
Phone +86 21 22181111  
Fax: +86 21 22182398  
www.boschsecurity.com.cn

**America Latina:**

Robert Bosch Ltda Security Systems Division  
Via Anhanguera, Km 98  
CEP 13065-900  
Campinas, Sao Paulo, Brazil  
Phone: +55 19 2103 2860  
Fax: +55 19 2103 2862  
latam.boschsecurity@bosch.com  
www.boschsecurity.com