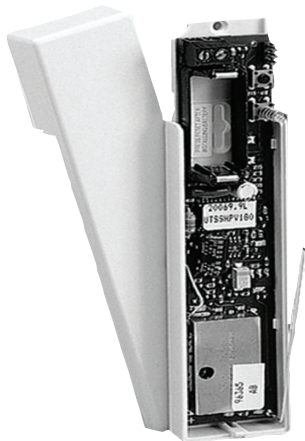


# FA250 High-Power Universal Transmitter

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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

The FA250 Transmitter programs check-ins at 5-minute, 60-second, 30-second, and 10-second intervals. It is suitable for high security installations that require a tight supervision window and also for residential installations where a four hour window is sufficient. It is also suitable for buddy systems, large sites, and sites with separate buildings.

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

## Technical specifications

### Electrical

Average Life:	1 year
Power:	3 V
Type:	Duracell® DL123A, Panasonic® CR123A

### Mechanical

Color:	Off-white
Dimensions:	15.2 cm x 3.2 cm x 1.9 cm (6 in. x 1.25 in. x 0.75 in.)
Frequency:	902 MHz to 928 MHz

Modulation:	Spread spectrum through frequency hopping
Range (Open Field):	3.2 km (2 miles)

### 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

#### FA250 High-Power Universal Transmitter

Programs check-ins at 5-minute, 60-second, 30-second, and 10-second intervals

Order number **FA250**

#### 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