

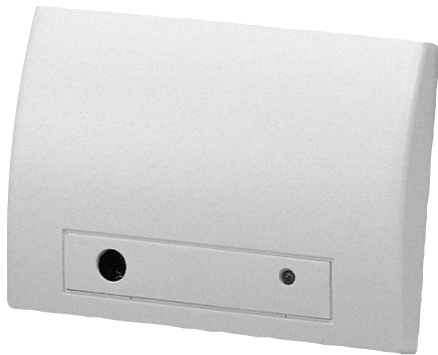
FA207 Wireless Glassbreak Detector

www.boschsecurity.com



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
- ▶ Automatic self test

The FA207 Glassbreak Detector uses ShatterPro™ II Pattern Recognition Technology™. This technology allows the sensor to detect breaking plate, tempered, wired, and laminated glass up to 6.4 mm (0.25 in.) thick through blinds and lightweight, unlined drapes.

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 provides immunity from interference and 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, tamper, and inactive status.

Installation/configuration notes



Notice

Glassbreak detectors are intended only as a component of a perimeter protection system. They should always be used in conjunction with motion sensors.

Compatibility Information

Receivers FA400, FA404R, FA416R, and FA422 when used with Bosch control panels.

Mounting Considerations

Mount the FA207 on a wall or ceiling between 1.2 m (4 ft) and 6.0 m (20 ft) from the glass.

Parts included

Quantity	Component
1	Glassbreak detector
1	Hardware pack
1	Literature pack

Technical specifications

Electrical

Batteries (Replacement):	Duracell® 123A
Voltage (Operating):	2.5 VDC to 3.3 VDC provided by an internal 3 V battery

Mechanical

Color:	White
Dimensions:	8 cm x 10.8 cm x 4.3 cm (3.1 in. x 4.2 in. x 1.7 in.)
Material:	Flame-retardant ABS
Alarm Output:	Normally-closed (NC) output and normally-open (NO) output with open-drain MOS-ETs
Alarm Output Rating:	closed resistance: 700 Ω maximum open resistance: 10 M Ω minimum
Alarm Output Time:	4 sec

Environmental

Temperature (Operating):	-10°C to +50°C (+14°F to +120°F)
Radio Frequency Interference (RFI) Immunity:	No alarm or setup on critical frequencies in the range of 1 MHz to 1 GHz at field strengths less than 20 V/m.

Trademarks

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

ShatterPro™ and Pattern Recognition Technology™ are trademarks of Interlogix, Inc. or its affiliate Sentrol

Ordering information

FA207 Wireless Glassbreak Detector

Detects breaking plate, tempered, wired, and laminated glass

Order number **FA207**

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