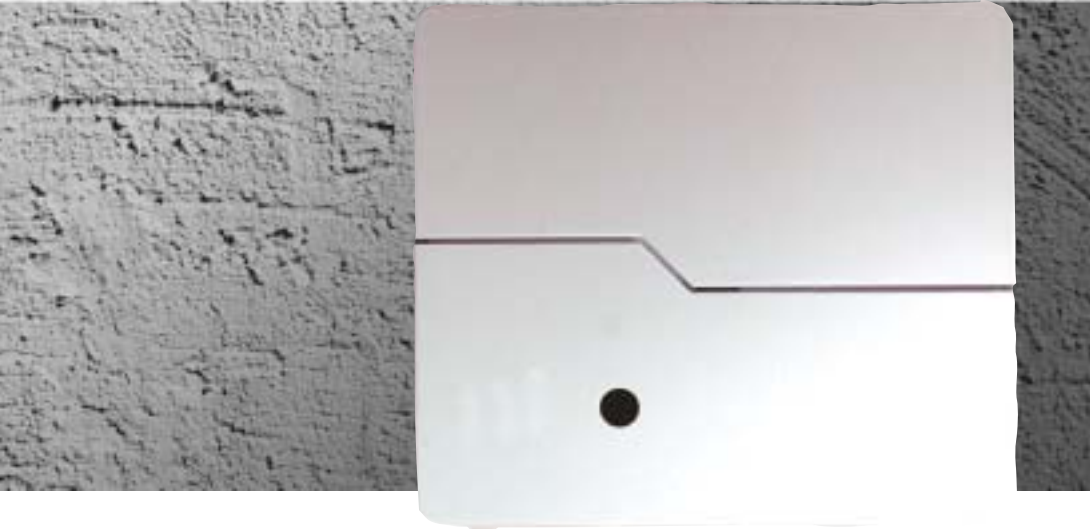


RF1100E Glassbreak Transmitter



Security Systems

- DIP switches for selecting glassbreak sensitivity
- Four glassbreak sensitivity settings
- Two light emitting diode (LED) indicators
- Two tamper switches
- Test mode
- Dual acoustic technology



The RF1100E Glassbreak Transmitter is a wireless transmitter that detects breaking glass. It is equipped with two tamper switches and four glassbreak sensitivity settings. When there is no alarm activity, the RF1100E transmits a signal every 15 min, providing system supervision and battery status information. The RF1100E is compatible with the RF3212E, RF3222E, and RF3227E Receivers.

Functions

LED Indicators

The RF1100E Glassbreak Transmitter has two LED indicators. For test purposes, the Event LED turns on when the RF1100E detects sound. The Alarm LED turns on when the RF1100E detects breaking glass. During normal operation, you can disable the LEDs to conserve battery life.

Glassbreak Sensitivity

- Use the convenient DIP switches to select a sensitivity setting. There are four sensitivity settings: maximum, medium, low, lowest.
- Use the Event LED to help you select an appropriate sensitivity setting. When the LED flashes, the noise in the area is loud enough to initiate a glassbreak response from the transmitter.

- The RF1100E Glassbreak Transmitter has an LED ENABLE switch that activates or deactivates the LEDs. When the LED ENABLE switch is set to ON, a plastic orange tab protrudes from the side of the RF1100E Glassbreak Transmitter. The tab visually reminds you that the LEDs are active.

Test Mode

Activate the test mode locally using the RF1100E test pads or remotely using a Bosch 13-332 Sound Sensor Tester. When the RF1100E is in test mode, use the 13-332 Sound Sensor Tester to verify that the RF1100E detects flex wave and audio signals properly.

Dual Acoustic Technology

When an object hits a pane of glass, the glass absorbs the blow and emits a low frequency sound pressure wave, called the flex wave. When the force of the blow is too great, glass shatters and emits a high frequency audio signal. A bell ringing or a vase breaking produces a similar audio signal, but does not produce a flex wave. The RF1100E Glassbreak Transmitter detects the flex wave first and the audio signal second, reducing false alarms from items that only emit high frequency audio signals.

Tamper Switches

The RF1100E Glassbreak Transmitter has a cover tamper switch and an optional wall tamper switch. When either switch activates, the RF1100E transmits tamper information.

Low Battery Indication

The Event LED and the Alarm LED flash simultaneously when the RF1100E battery is low. Set the LED ENABLE switch to ON to activate the LEDs.

Planning

Acoustic Capabilities

The RF1100E Glassbreak Transmitter can be used with the following glass types:

Glass Type	Glass Thickness
Plate	0.24 cm to 0.95 cm
Tempered	0.32 cm to 0.95 cm
Laminated	0.32 cm to 1.4 cm Protected only if both panes of unit are broken
Wired	0.64

Sensitivity Settings

Sensitivity Setting	Range
Maximum	7.6 m
Medium	4.6 m
Low	3 m
Lowest	1.5 m

Compatibility Information

Receivers RF3212E, RF3222E, or RF3227E

Recommended Products

- Bosch 13-332 Sound Sensor Tester
- Duracell® MN1500 or PC1500, Eveready™ E91, or Panasonic® AM-3PIXB batteries

Mounting Considerations

For the best performance, mount the RF1100E:

- On flat surfaces, such as ceilings or walls.
- Within clear view of the glass (there is no minimum range).
- Within 7.6 m of the glass.

Note: If the window is covered with heavy drapes, curtains, shades, blinds, and so on, mount the RF1100E on the window frame.

Do not mount the RF1100E:

- In a corner or in rooms with loud equipment such as air compressors, bells, and power tools.
- On the same wall as the glass.
- On freestanding posts or pillars.

The maximum RF range of the RF1100E in an open field is approximately 300 m. In normal residential or commercial applications, mount the RF1100E within 100 m of its assigned receiver.

Technical Specifications

RF1100E Glassbreak Transmitter

Dimensions	12.2 cm x 10.5 cm x 3.3 cm
Operating Temperature	0°C to +50°C
Frequency Band	433.42 MHz
Operating Voltage	3 V
Battery Life	Minimum of two years under normal operating conditions. Test with the recommended battery types.
Battery Type	Two AA alkaline batteries

Trademarks

Duracell® is a registered trademark of The Gillette Company.
Eveready™ is a trademark of Eveready Battery Company, Inc.
Panasonic® is a registered trademark of Matsushita Electric Industrial Co., Ltd.

Ordering Information

RF1100E Glassbreak Transmitter	RF1100E
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Bosch Security Systems

For more information please visit
www.boschsecuritysystems.com

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