

FG1625SN

GLASSBREAK DETECTOR



The new FG1625SN Glassbreak Detector uses the latest technology to provide faster response and increased false alarm immunity. The FG1625SN is specifically designed to allow a fast, easy installation by utilizing V-Plex polling loop technology. Four adjustable sensitivity settings can

compensate for the acoustics of any room. Optimum operation can be quickly verified using the FG-701 Glassbreak Simulator. This device is designed for use only with controls supporting V-Plex (polling loop) technology.

FEATURES

• FlexCore™ Signal Processor

The FlexCore Signal Processor is an Application-Specific Integrated Circuit (ASIC), which processes sound data in parallel rather than sequentially for faster, more accurate detection decisions. The combination of proven FlexGuard® performance with the speed of FlexCore processing provides unmatched false alarm immunity without compromising detection.

• V-Plex Polling Loop Technology

V-Plex devices are installed using two wires for power and data. In addition, V-Plex technology features Point Identification, allowing users to quickly pinpoint the source of an alarm or trouble condition.

• Easy Installation and Setup

IntelliSense's patented technology allows remote activation of Test Mode (with simulator). The FG1625SN has a centered wire entry hole, 45° terminal blocks, and EOL terminals. A hand-clap feature verifies that the detector is functioning.

• Selectable Sensitivity

Two dip switches on the FG1625SN make it easy to set the sensitivity to match the acoustics of the room. Four different sensitivity levels are available, ranging from every low to high. The range can then be verified remotely with the FlexGuard FG-701 Glassbreak Simulator.

• Mount the Detector Anywhere

Mounts on any wall, in the window frame, or on the ceiling, with no minimum range and a maximum range of 25' (7.6 m) to the glass.

• Covers All Glass Types

The FG1625SN works on all glass types, including plate, tempered, laminated, wired, film-coated, and sealed insulating glass.

• Multiple Domain Signal Analysis

The FG1625SN performs Multiple Domain Signal Analysis in which time, frequency and amplitude characteristics are evaluated for signal qualification. This enables the detector to accurately discriminate false alarms from true glassbreak events.

• Enclosed PC Board

The PCB is protected from potential damage during installation.

• Patented Remote Test Mode

The Patented Remote Test Mode can enable or disable the indicator LEDs using the FG-701 Glassbreak Simulator. The unit automatically resets from Test Mode in five minutes.

• Mounting Locations

The FG1625SN can be mounted on the ceiling, opposite wall, adjoining wall, or the same wall as the glass.

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SPECIFICATIONS

• **Physical Dimensions:**

- 4.5" H x 2.8" W x 1.05" D
(115 mm x 72 mm x 27 mm)

• **Weight:**

- Product Only: 3.5 oz (98g)
Pkgd Product: 4.5 oz (126g)

• **Range:**

- 25' (7.6 m) maximum, omnidirectional.
Range is adjustable; no minimum range

• **Tamper Switch:**

- Combination cover/wall tamper

• **Alarm Duration:**

- Five seconds (unaffected by alarm LED latching)

• **ESD Immunity:**

- 10kV discharges of either polarity to exposed surfaces

• **Power Requirements:**

- 7 - 17VDC peak to peak at the polling loop terminals
- Current: 1mA max, w/LEDs disabled 5mA max, w/LEDs enabled
- RFI Immunity: 10V/m, 10MHz - 1000MHz

• **Operating Temperature:**

- 14° to 120° F (-10° to 50° C)
Storage: -4° to 122° F (-20° to 50° C)

• **Approvals and Listings:**

- FCC / IC verified
- CE
- C-Tick
- UL Listed
- ULC Listed



• **Glass Type/Thickness**

Type	Minimum	Maximum
Plate ^{3a}	2.4 mm (3/32")	10 mm (3/8")
Tempered	3 mm (1/8")	10 mm (3/8")
Laminated ¹	3 mm (1/8")	14 mm (9/16")
Wired	6 mm (1/4")	6 mm (1/4")
Coated ^{2,3a}	3 mm (1/8")	6.4 mm (1/4")
Sealed	3 mm (1/8")	6 mm (1/4")
Insulating ^{1,3a}	(Maximum overall 7/16")	

Minimum size for all types is 28 cm (11") square; glass must be framed in the wall or mounted in a barrier at least 0.9 m (36") wide.

1. Protected only if both plates of the unit are broken.
- 2 Coated glass with security films, including films for solar protection, up to 12 mil. thick may be used. Film Technologies International, Inc.'s GLASS-GARD® GGLL 1200 has been evaluated with this product by Underwriters Laboratories, Inc.

³ In compliance with Underwriters Laboratories of Canada's Standard for Intrusion Detection Units (CAN/ULC-S306-M89):

- a. Plate glass 3mm to 10mm can be used.
- b. ULC recognizes a maximum range for protecting sealed insulated glass and coated glass of 12.5 ft. (3.8 m).

Note: Note: The FG1625SN detects shattering of framed glass by direct impact. It may not consistently detect breakage by blows that only crack the glass, by high velocity projectiles such as bullets, or glass broken without an impact.

Accessories Description

FG-701 P/N 0-000-701-01
Glassbreak Simulator

FlexGuard® Glassbreak Simulator/Tester

The sound of breaking glass is digitally simulated by the FG-701. The FG-701 is compatible for testing all Honeywell glassbreak detectors. Honeywell highly recommends testing glassbreak detectors before final installation

ORDERING

FG1625SN

Glassbreak Detector

For more information: www.honeywell.com/security/hsc

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