Honeywell

FG-1615

GLASSBREAK DETECTOR

The new FG-1615 Glassbreak Detector uses the latest technology to provide faster response and increased false alarm immunity. The FG-1615 is designed to allow fast and easy installation. Optimum operation can be quickly verified using the FG-701 Glassbreak Simulator.

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.

Easy Installation and Setup
Honeywell's patented technology allows remote activation of Test Mode (with simulator). The FG-1615 has a centered wire entry hole, 45° terminal blocks and EOL terminals. A hand-clap feature verifies that the detector is functioning. No sensitivity adjustments are required.

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 15' (4.6m) to the glass.

Covers All Glass Types
The FG-1615 works on all glass types, including plate, tempered, laminated wired, film-coated and sealed insulating glass.

Multiple Domain Signal Analysis
The FG-1615 performs Multiple Domain Signal Analysis in which time, frequency and amplitude characteristics are evaluated for signal qualification. This enables the detector to accurately distinguish false alarms from true glassbreak events.

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

Enclosed PC Board
The PCB is protected from potential damage during installation.

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GLASSBREAK DETECTOR

SPECIFICATIONS

Physical Dimensions
3 7/8" x 2 2/5" x 7/8"
(98mm x 62mm x 21.8mm)
White high impact ABS plastic housing

Weight
Product only 3.2 oz. (90 g)
Pkgd. Product 4.1 oz. (116 g)

Range
15' (4.6m) maximum, omni-directional
no minimum range

Alarm Relay
FG-1615 Form A, 125mA max. 25VDC max.
FG-1615T Form C, 125mA max. 25VDC max.

Alarm Duration
Five seconds (unaffected by alarm
LED latching)

ESD Immunity
10kV discharges of either polarity to
exposed surfaces

Power Requirements
6 to 18VDC; 12mA typical at 12VDC,
22mA max, (Latched LED) AC ripple:
4V peak-to-peak at Nominal 12VDC

RFI Immunity
30V/m, 10 MHz to 1000 MHz

Operating Temperature
14° F to 122° F (-10° C to 50° C)

Storage
-4° F to 122° F (-20° C to 50° C)

Tamper (FG-1615T only)
Combination cover/wall tamper
25mA max., 24VDC max.

Approvals and Listings
FCC and IC Verified
UL Listed
ULC Listed
CE

Glass Type/Thickness

Type*	Minimum	Maximum
Plate[3a]	2.4mm (3/32")	10mm (3/8")
Tempered	3mm (1/8")	10mm (3/8")
Laminated[1]	3mm (1/8")	14mm (9/16")
Wired	6mm (1/4")	6mm (1/4")
Coated[2,3b]	3mm (1/8")	6mm (1/4")
Sealed	3mm (1/8")	6mm (1/4")
Insulating[1,3b]	(Maximum overall 7/16")	

[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. at the request of Honeywell.

[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 7.5 ft. (2.3m).

Note: The FG-1615/1615T 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. (See the FG-701 Operating Instructions).

ORDERING

FG-1615	Glassbreak Detector
FG-1615T	Glassbreak Detector with Tamper

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