Honeywell

# FG-1625F

GLASSBREAK DETECTOR



The new FG-1625F Glassbreak Detector uses the latest technology to provide faster response and increased false alarm immunity. The FG-1625F is specifically designed to allow fast, easy installation, while the adjustable sensitivity settings can compensate for the acoustics of any room. Optimum operation can be quickly verified using the FG-701 Glassbreak Simulator. The FG-1625F was designed to adequately cover all sizes of single gang electrical boxes. Flush mount installations are now easier and better looking than ever.

## 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-1625F has 45° terminal blocks for easier wiring. A hand-clap feature verifies that the detector is functioning.
- **Selectable Sensitivity**
  Two DIP switches on the FG-1625F make it easy to set the sensitivity to match the acoustics of the room. Four different sensitivity levels are available, ranging from very 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 or on the ceiling, with no minimum range and a maximum range of 25' (7.6m) to the glass. The FG-1625F fits a standard single gang electrical box; while the FG-1525FD version is specifically designed for double gang boxes.
- **Covers All Glass Types**
  The FG-1625F works on all glass types, including plate, tempered, laminated, wired, film-coated and sealed insulating.
- **Multiple Domain Signal Analysis**
  The FG-1625F 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 FG-1625F can be mounted on the ceiling, opposite wall, adjoining wall, or the same wall as the glass.

# FG-1625F

GLASSBREAK DETECTOR

## SPECIFICATIONS

- **Physical Dimensions**
  - White high impact ABS plastic housing
  - Faceplate: 4.50" x 2.76" (114mm x 70mm)
  - Rear cover: 2.65" H x 1.80" W x 1.20" D (67.4mm x 45mm x 30mm) FG-1525FD (for doublegang)
  - Faceplate 4.49" x 4.49" (114mm x 114mm)
  - Rear cover: 2.65" H x 1.80" W x 1.20" D (67.4mm x 45mm x 30mm)
- **Weight**
  - Product only: FG-1625F 3.1 oz (87g) FG-1525FD 3.8 oz (107g)
  - Packaged Product: FG-1625F 4.7 oz (133g) FG-1525FD 6.5 oz (184g)
- **Range**
  - 25' (7.6m) maximum, omnidirectional. Range is adjustable; no minimum range
- **Alarm Relay**
  - Form A, 125mA max, 25VDC max
- **Tamper Switch**
  - Cover removal tamper 25mA max, 24VDC max
- **Alarm Duration**
  - Form A, 125mA max, 25VDC max
- **ESD Immunity**
  - 10kV discharges of either polarity to exposed surfaces
- **Power Requirements**
  - 6-18VDC; 12mA typical at 12VDC, 22mA max. AC Ripple: 4V peak to peak at nominal 12VDC
- **RFI Immunity**
  - 30 V/m, 10 MHz - 1000 MHz
- **Operating Temperature**
  - 14° F to 120° F (-10° C to 50° C) Storage: -4° F to 122° F (-20° C to 50° C)
- **Approvals and Listings**
  - FCC/IC verified
  - UL Listed
  - ULC Listed

| 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") | 6.4mm (1/4") |
| Sealed | 3mm (1/8") | 6mm (1/4") |
| Insulating [1,3b] | (Maximum overall 7/16") | |

- **Glass Type/Thickness**

Minimum size for all types is 28cm (11") square; glass must be framed in the wall or mounted in a barrier at least 0.9m (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. 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 12.5 ft. (3.8m).

Note: The FG-1625F 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

| | |
|---|---|
| **FG-1625F** | Glassbreak Detector/Flushmount |
| **FG-1525FD** | Glassbreak Detector/Doublegang |

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