Honeywell

FG-730

GLASSBREAK DETECTOR



Honeywell's FlexGuard® FG-730 incorporates the most reliable, field-proven technology available – setting the industry standard in glassbreak detectors.

FEATURES

- **Field Proven Design**
  The world's best selling glassbreak detector.
- **Dual Technology**
  Flex-Audio Principle
  Positively detects and confirms breaking glass by analyzing both "flex" (impact) and "audio" (shattering) frequencies. For an alarm to occur the flex signal must be followed by an audio signal within a prescribed time frame.
- **Signal Verification**
  Both flex and audio signals must register valid amplitude, duration and frequency for an alarm to occur.
- **Signal Filtering**
  Thorough filtering and processing of all signals provides greater immunity to false alarms.
- **Broad Range**
  Detects glass breakage from distances up to 30' (9 m).
  The FlexGuard FG-730 detector sets the industry standard in glassbreak detectors.
- **Dual Flex/Audio Technology**
  Provides excellent catch performance while virtually eliminating false alarms.
- **Indicator LEDs**
  LED alarm indicator for testing flex and audio technologies.
- **Burst Rejection Circuit**
  Ignores short flex/audio noise burst signals present in some environments.
- **Circuit Protection**
  Prevents shorts, overloads and reverse-polarity connections from causing damage.
- **Alarm Memory**
  Alarm LED can be set to latch upon alarm; helps identify which unit alarmed in multiple detector applications.
- **RFI Immunity**
  100 watts at 3m (10') from all mobile bands 27–1000 MHz.
- **Easy Installation and Set-Up**
  Mount within 9m (30') of the glass to be protected. (Can be adjusted to suit characteristics of each location.)
- **Low Voltage Operation**
  10–14VDC
- **Low Current Draw**
  25mA at 12VDC

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SPECIFICATIONS

- **Physical Dimensions**
  White, high impact, ABS plastic housing:
  10 cm H x 6.2 cm W x 2 cm D
  (3-7/8" x 2-2/5" x 4/5")
- **Weight**
  85 g (3 oz)
- **Range**
  9 m (30')
- **Mounting Locations**
  Ceiling, opposite wall, adjoining wall, same wall as glass
- **Alarm Relay**
  Form C, 500mA max, 30VDC max
- **Tamper Switch**
  Form A (NC) 50mA, 30VDC
- **Power Requirements**
  10–14VDC 25mA at 12VDC
- **Operating Temperature**
  0°–49° C (32°–120° F)
- **Set-Up Tester**
  FG-701 Glassbreak Simulator
  Also works with FG-700 Glassbreak Simulator
- **Approvals and Listings**
  – UL Listed
- **Glass Type/Thickness**
  Minimum size for all glass types is 11" x 11" (28 cm x 28 cm) square; glass must be framed in the wall of the room or mounted in a barrier of 36" (.9 m) minimum width.

Type*	Minimum	Maximum
Plate	2.4 mm (3/32")	6.4 mm (1/4")
Tempered	3.2 mm (1/8")	6.4 mm (1/4")
Laminated*	3.2 mm (1/8")	14.3 mm (9/16")
Wired	6.4 mm (1/4")	6.4 mm (1/4")
Coated**	3.2 mm (1/8")	6.4 mm (1/4")
Sealed Insulating*	3.2 mm (1/8")	6.4 mm (1/4")

* Laminated and sealed insulating glass types are protected only if both plates of glass are broken.

** For glass coated on the inner surface with 3M Scotchtint™ type RE35NEARL or Hardglass Security Film, reduce maximum effective range to 15’ (4.6 m).

ORDERING

FG-730	Glassbreak Detector
FG-701	Glassbreak Simulator/Tester

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