

GFD-20



DETECTORS

Glass break audio discriminator



Features

- *Detection range up to 50 ft (15 m)*
- *Built-in tester*
- *Digital filtering of unwanted noise*
- *Adjustable sensitivity*
- *Adjustable detection frequency*
- *9-16 VDC operation*
- *Listen-in capability*
- *Surface, corner or ceiling mounting*
- *Attractive, compact, rugged design*

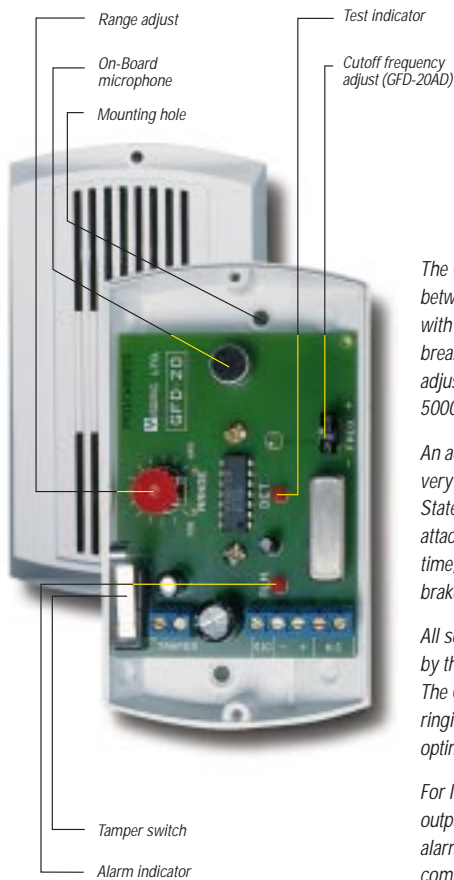


Visonic Ltd

Committed to Advancing Security

GFD-20

DETECTORS



The GFD-20 glass break audio discriminator distinguishes between normal background noises and the sounds associated with forced entry intrusion. The unit is sensitive to glass breaking, wood splitting and other break-in noises, within an adjustable radius of up to 50 ft (15 m), covering an area up to 5000 square feet (500 sq m).

An advanced digital filtering technique completely rejects even very strong background noises below the cutoff frequency. State-of-the-art signal processing is employed to detect fast attack signals, yet ignores sounds that build up gradually with time, such as approaching automobiles, aircraft or screeching brakes.

All sounds affecting the detector are monitored and displayed by the "DET" LED which actually sees what the unit hears. The GFD-20 can check the effect of individual sounds, such as ringing telephones or door chimes, and make adjustments for optimum sensitivity and maximum immunity from false alarms.

For listen-in purposes, the GFD-20 provides an audio signal output for connection to remote central stations via a telephone alarm communicator. The detector is housed in an attractive compact enclosure, which can be mounted almost anywhere on a wall, a ceiling, or in a corner. An anti-tamper switch protects the cover of the unit.

Specifications

ACOUSTICAL

Detection Range: Up to 50 ft (15 m), radius-adjustable*.

Coverage Area: Up to 5000 sq ft (500 sq m)*.

Cutoff Frequency: GFD-20, 5 kHz (nominal)

GFD-20AD, adjustable from 2 to 10 kHz.

Microphone: Electret condenser.

* Varies with room shape, acoustics, temperature and humidity.

ELECTRICAL

Voltage: 9 to 16 VDC (protected against reverse polarity).

Current: 20 mA.

Relay Output: Normally closed (fail-safe)

Rating 0.1 A resistive / 24 VDC.

Tamper Contacts: Normally closed.

Rating - 0.1 A resistive / 24 VDC.

Alarm Period: 2-3 seconds.

Indicators: "ALM" LED lights on alarm.

Testing: Built-in tester with concealed noise monitoring "DET" LED.

Listen-in Output: 20 mV

ENVIRONMENTAL

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

Storage Temperature: -4°F to 140°F (-20°C to 60°C).

PHYSICAL

Dimensions: 4.5 x 2.5 x 1.4 in. (11.5 x 6.5 x 3.5 cm).

Weight: 4.2 oz (120 gr).

Color: White.

MODELS AVAILABLE

GFD-20: Standard model with fixed 5 kHz cutoff filter.

GFD-20AD: With adjustable cutoff (2 to 10 kHz).



The GFD-20 is ideal for commercial, industrial and domestic uses.

At the left, a GFD-20 is used to protect a store front window

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