

GFD-30



DETECTORS

Flush mounted glass break audio discriminator



Features

- Flush mounting into single-gang electrical switch box.
- Attractive, compact, rugged design
- Detection range up to 50 ft (15 m)
- Built-in tester
- Digital filtering of unwanted noise
- Adjustable sensitivity
- 9-16 VDC operation
- Surface or ceiling mounting

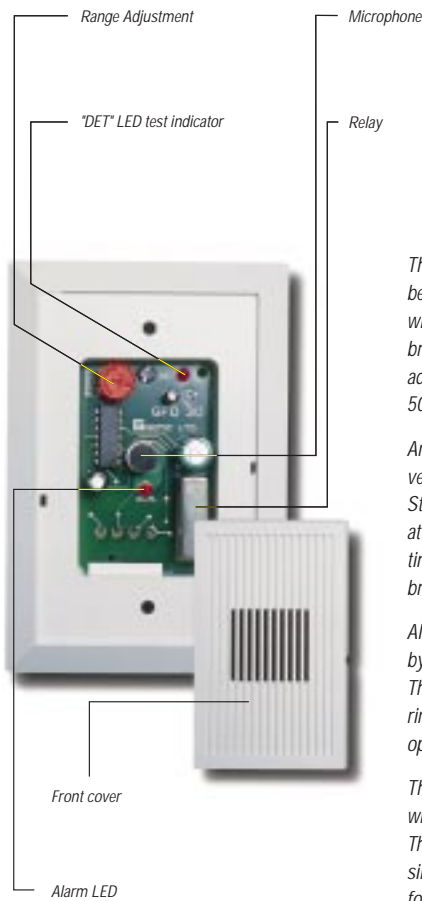


Visonic Ltd

Committed to Advancing Security

GFD-30

DETECTORS



The GFD-30 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-30 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.

The detector is housed in an attractive compact enclosure, which can be flush mounted into walls or ceilings. The GFD-30 is specially designed to fit into virtually any standard, single-gang, electrical switch box providing the ideal solution for pre-wired installations.

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-30, 5 kHz (nominal)

Microphone: Electret condenser.

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

ELECTRICAL

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

Current: 20 mA at 12 VDC.

Relay Output: Normally closed (failsafe), 18 ohm resistor in series with contacts. Rating 0.1 A resistive/ 24 VDC.

Alarm Period: 2-3 seconds.

Indicators: "ALM" LED lights on alarm.

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

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).

MOUNTING

Wall or ceiling flush mounting. Fits into virtually any standard single-gang, electrical switch box.

Dimensions: 5 x 3.3 x 1.5 in. (12.5 x 8.5 x 3.9 cm).

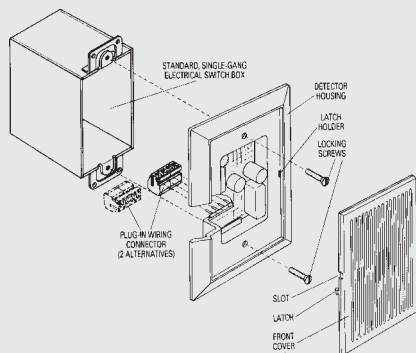
Weight: 6.3 oz (180 gr).

Color: White.

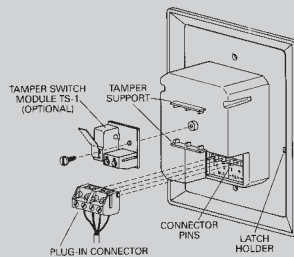
ACCESSORIES

TS-1: Tamper switch

Construction and assembly



Mounting the wiring connector and optional tamper switch



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