GS903N

Acoustic glassbreak detector - ShatterPro 2 Technology

Reliability

The GS903N acoustic glassbreak sensor combines high false alarm immunity and excellent detection by recognizing the exact frequency pattern generated by glass breaking. Instead of listening for a loud sound at one or two characteristic frequencies, the GS903N listens at 30 points across the glassbreak frequency spectrum. This not only enables it to discriminate common false alarm sources, but also ensures detection of even the quietest of breaks so it can be used with blinds or light curtains. The GS903N is recommended for perimeter loops and is designed to function in occupied areas. In 24-hour loop applications, where the detector is armed all day and all night, the false alarm technology will be pushed to its limit. Some sounds can duplicate the points on the glassbreak pattern that the GS903 detects. Install the GS903N on a perimeter loop which is armed whenever the door and window contacts are armed. The GS903N false alarm immunity is best in rooms with only moderate noise. For 24-hour occupied area protection, use our Shock Detectors. The GS903N may not consistently detect cracks in glass or bullets which break through the glass. Glassbreak detectors should always be backed up by interior protection.



Easy to install and test

Available in both surface and flush mount versions (GS913N), installation is quick and easy. There are no sensitivity adjustments to worry about and a new test feature means only one trip up the ladder. Simply activate the tester next to the GS903N and the unit goes into test mode.
A unique test assures end-users that the unit is powered and ready to detect. The sensor will blink twice, but will not trip when a loud hard clap is made close to the unit.

Pattern Recognition Technology

The GS903N detects in a full 360º coverage pattern with a 7.5 m range from detector to glass. By listening at more than 30 frequency points, the GS903N can tell the difference between common false alarm sources and the noise of breaking glass.

Details

- No sensitivity adjustment required
- Detects through blinds and light curtains
- End user can test sensor operation with a clap of the hands (GS903N/GS913N)
- Rated for all types of glass including plate, laminated, tempered and wired
- Listens for the pattern of breaking glass across the frequency spectrum
- Consistent detection even of soft, quiet glass breaks

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Technical specifications

General

Technology	Acoustic
Glass types	Laminated, Plate, Tempered, Wired
Range	max. 7.5 m radius
Relay output	NC, open 4 sec on alarm
Tamper switch	Yes
LED indication	Latching/non-latching selectable

Wired/wireless

Wired-wireless	Wired

Electrical

Operating voltage	9 to 16 VDC
Current consumption	12 mA typical - 25 mA max

Physical

Physical dimensions	83 x 45 x 23 mm
Colour	White
Mounting type	Ceiling mount, Wall mount

Environmental

Operating temperature	-18 to +50°C
Relative humidity	10 to 90% noncondensing

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