Product data sheet

United Technologies
Climate | Controls | Security

# GS913N

## Flush mount acoustic glassbreak detector - ShatterPro 2 Technology

### Reliability

The GS913N 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 GS913N 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 GS913N 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 GS913 detects. Install the GS913N on a perimeter loop which is armed whenever the door and window contacts are armed. The GS913N false alarm immunity is best in rooms with only moderate noise. For 24-hour occupied area protection, use our Shock Detectors. The GS913N 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

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 GS913N 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 GS913N detects in a full 360° coverage pattern up to 7.5 m range from detector to glass. By listening at more than 30 frequency points, the GS913N 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 |

### Wired/wireless

| | |
|---|---|
| Wired-wireless | Wired |

### Electrical

| | |
|---|---|
| Operating voltage | 9 to 16 VDC |
| Current consumption | 15 mA typical - 25 mA max |

### Physical

| | |
|---|---|
| Physical dimensions | 65 x 25 x 35 mm |
| Colour | White |
| Mounting type | Recessed mount |

### Environmental

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

### Standards & regulation

| | |
|---|---|
| Certification | INCERT |

### Miscellaneous

| | |
|---|---|
| LED indication | Latching/non-latching selectable |

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