

# Acoustic Glassbreak Sensors



## Overview

The Sentrol 5812A Series ShatterPro™ II acoustic glassbreak sensor provides great false alarm immunity, fast installation testing, and a hand-clap feature that lets end-users confirm the sensor's operational status.

Using Sentrol's patented Pattern Recognition Technology™, the sensor listens for actual patterns of breaking glass while eliminating most false alarm patterns. ShatterPro™ II sensors listen across the glassbreak frequency spectrum for greater false alarm immunity.

A new test feature makes installation faster by eliminating the test mode jumper. The ShatterPro™ II is tested by activating the Sentrol hand-held glassbreak tester at close range. Opening the sensor is unnecessary.

A simple hand-clap feature lets end-users confirm at any time that the ShatterPro™ II is operational. The sensor will blink twice but will not trip when a hand clap is made close to the unit.

The ShatterPro™ II detects in a full 360° coverage pattern, with a 25' (7.5 m) radius from sensor to glass. The ShatterPro™ II is suitable for use in quiet occupied areas on the perimeter loop.

## Features

- Designed for quiet occupied areas on the perimeter loop
- End-user can test sensor operation with a clap of the hands
- Listens across the glassbreak frequency spectrum for greater false alarm immunity
- Consistent detection even of soft, quiet glass breaks
- Detects through blinds and light drapes

# Acoustic Glassbreak Sensors

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## Specifications

### Electrical

Operational voltage	9 to 16VDC
Current draw	12mA typical; 25mA max.
Relay output	Normally closed, open 4 seconds on alarm
- on resistance	5to15Ω
- off resistance	20MΩ
Maximum loop rating (relay or tamper loop)	16VDC, 50mA
Fails safe	Opens on power loss

### Environmental

Lightning suppression	400 watts for 1 msec pulse
Operating temperature	-18°C~+50°C
RFI immunity	20 V/meter from 1 to 1000MHz

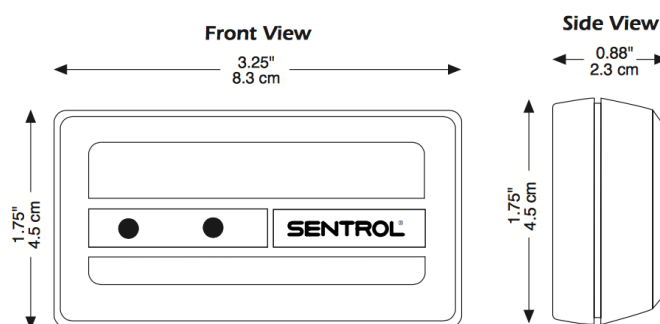
### Features

Housing material	Flame retardant ABS plastic
Microphone	Omni-directional 360° electret
Sensitivity setting	Factory set

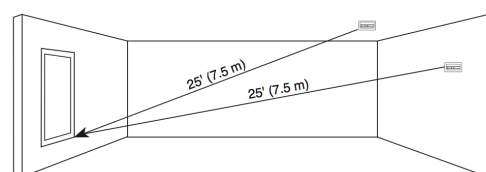
Range	7.5m measured to the farthest point of glass 7.5m on the opposite wall
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Glass types detected	
- plate glass	Up to 6.4mm
- tempered glass	Up to 6.4mm
- wired glass	Up to 6.4mm
- laminated glass	Up to 6.4mm
Mounting location	Ceiling or any wall
Minimum distance from glass	1m
Dimensions (H x W x D)	4.5cm x 8.3cm x 2.3cm
Colour	White
Listing	UL

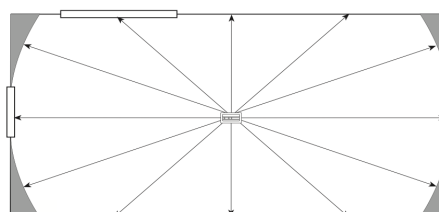
## Dimensions



## Mounting Location Range



Range measured to the farthest glass



360° coverage

## Ordering information

5812A-W	ShatterPro II, tamper, latch or non-latch LED
5709C-W	Hand-held Tester

Specifications subject to change without notice.

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