Patent pending.

SHATTERPRO™ PLUS

Motion-Sensitive Acoustic Glassbreak Sensor

Model number: 5885

- **24-hour acoustic glassbreak application**
- **Motion-sensitive sensor "knows" the area is occupied and eliminates occupant generated false alarms**
- **High-quality ShatterPro II analysis combined with Sentrol motion signal analysis**
- **Two-relay output for arming either perimeter or interior loop or both**
- **Can function as two sensors in one package (PIR/Glassbreak)**

The ShatterPro™ Plus is an acoustic glassbreak sensor combined with a passive infrared motion detector (PIR) for the purpose of eliminating occupant generated false alarms. It will extend acoustic glassbreak technology to occupied areas, allowing these sensors to be armed while people or pets are present. Simply put, when a person enters the field of view of the motion detector the glassbreak sensor is shunted during the period of occupancy. This eliminates false alarms generated from normal noise levels during occupied hours at work or at home. The ShatterPro™ Plus can be wired into a 24-hour perimeter loop, free from concerns about false alarms generated by a noisy environment.

The ShatterPro™ Plus utilizes all the features of the ShatterPro II; excellent detection, false alarm immunity in quiet environments, new test feature and the hand clap end user feature. The PIR sensor utilizes Sentrol's SureShot™ signal analysis and detection patterns.

ShatterPro™ Plus can also function as a combined PIR/glassbreak with individual alarm outputs to the panel for separate zoning. This allows for a separate PIR alarm and separate glassbreak alarm.

Sentrol ShatterPro™ Plus

Specifications:

Electrical
Operational voltage .... 9 to 16 V DC
Current draw .... 15 mA typical; 30 mA max.
Alarm outputs ...... Normally closed, open 4 seconds on alarm
   On resistance .... 5 to 15 Ohms
   Off resistance .... 20 MOhms
Maximum loop rating
   (relay or tamper loop) .... 16 V DC, 50 mA
Fails safe and opens on power loss

Environmental
Lightning suppression .... 400 watts for 1 msec pulse
Operating temperature .... 0°F to 120°F (-18°C to +50°C)
RFI immunity .... 20 V/meter from 1 to 1000MHz
Humidity .... 10% to 90% noncondensing

LED Indicator
Glassbreak alarm .... 4 sec. solid red
Glassbreak test mode .... 1 Hz blinking red/1 minute
Glassbreak latched .... solid red
Hand Clap Test .... 2 red blinks
PIR alarm .... 4 sec. solid green
PIR shunting Glassbreak .... 1 Hz blinking green

Accoustic Glassbreak Features
Housing material .... Flame retardant ABS plastic
Microphone .... Omni directional 360° electret
Sensitivity setting .... Factory set
Range ....15' (4.6 m) to farthest point of glass
                        15' (4.6 m) to farthest point of glass
Glass types detected
   Plate glass .... Up to ¼" (6.4 mm)
   Tempered glass .... Up to ¼" (6.4 mm)
   Wired glass .... Up to ¼" (6.4 mm)
   Laminated glass .... Up to ¼" (6.4 mm)
Mounting location ..... Ceiling or any wall except opposite wall
Minimum distance from glass .... 3.3' (1 m)
Minimum glass size .... 1' x 2'
Dimensions .... 3.70" (9.40 cm) H
                        2.20" (5.59 cm) W
                        1.20" (3.05 cm) D
Color .... White/white

PIR Features
Pulse count .... Bi-directional, 1 zone (2 pulses)
                        with Motion Verification
Range ....
1. Wide Angle (90°) .... 30' x 30' (9.14 m x 9.14 m)
2. 360° Ceiling .... 15' x 20' (4.57 m x 6.10 m) at 8' (2.44 m) high
           16' x 30' (4.88 m x 9.14 m) at 12' (3.65 m) high
           Ceiling mounting height up to 12' (3.65 m)
3. Single Spot .... 40' (12.19 m) range
4. Vertical Barrier .... 40' (12.19 m) range
5. Pet Alley (90°) .... 30' (9.14 m) range

Lens Coverage

Wall Mount No Mask

Top View — 54°, 38.4°, 20°, 0°, 20°, 54°, 38.4°, 30'/91.1 m, 40'/12.2 m

Side View — 7' 2.1 m, 0 10' 3.0 m, 20' 6.1 m, 30' 9.1 m, 40' 12.2 m

360° Ceiling Mount

8' (2.4 m)
15' (4.6 m) x 20' (6.2 m) capture zone
25' (7.2 m) diameter coverage pattern

Note: Intruder must enter capture zone in order to be detected. False alarm sources, such as heaters, should be kept out of the coverage pattern.

Mounting Location Range

30' (9.2 m)
15' (4.6 m)

Dimensions

1.20" 3.05cm
2.20" (5.6cm)
3.70" (9.4cm)

Ordering Information

Model	Description	Loop Type	Electrical Configuration	Listing
5885-W	ShatterPro™ Plus	Normally Closed	N.C.	

SENTROL