## SENTROL

#### PRODUCT INFORMATION BULLETIN



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<sup>™</sup> 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<sup>™</sup> 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 pow	er loss

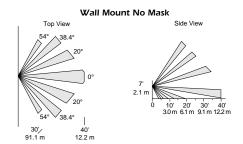
#### **Environmental**

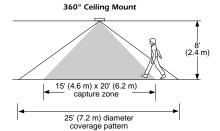
Lightning suppression	400 watts for 1 msec pulse
Operating temperature	0°F to 120°F (-18°C to +50°C)
RFI immunity	20 V/meter from 1 to 1000MHz
Humidity	10% to 90% noncondensing

#### **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

#### Lens Coverage





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.

#### **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)
	Up to ¼" (6.4 mm)
Wired glass	Up to ½" (6.4 mm)
Laminated glass	Up to ¼" (6.4 mm)
Mounting location Ce	iling or any wall except opposite wall

Minimum glass size ......1' x 2' 2.20" (5.59 cm) W 1.20" (3.05 cm) D

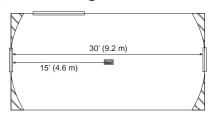
Minimum distance from glass ...... 3.3' (1 m)

#### PIR Features

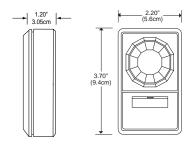
Pulse count	Bi-directional, 1 zone (2 pulses)
	with Motion Verification

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)

#### Mounting Location Range \_



#### Dimensions



#### **Ordering Information**

Model	Description	<b>Loop Туре</b>	Electrical Configuration	Listing
5885-W	ShatterPro™ Plus	Normally Closed	N.C.	



#### **CORPORATE HEADQUARTERS**

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Sentrol reserves the right to change specifications without notice.

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