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

Acoustic 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
Glass types detected
Plate glass ................................ Up to 1⁄4" (6.4 mm)
Tempered glass ......................... Up to 1⁄4" (6.4 mm)
Wired glass .............................. Up to 1⁄4" (6.4 mm)
Laminated glass ...................... Up to 1⁄4" (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
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

Ordering Information

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Loop Type</th>
<th>Electrical Configuration</th>
<th>Listing</th>
</tr>
</thead>
<tbody>
<tr>
<td>5885-W</td>
<td>ShatterPro™ Plus</td>
<td>Normally Closed</td>
<td>N.C.</td>
<td></td>
</tr>
</tbody>
</table>

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.