**SHATTERPRO™ PRE-TESTING**

Remove insulator strip from between battery clip and battery. Use the Sentrol 5706C hand-held tester to set the sensor into test mode. Set the tester to tempered glass, hold the tester speaker directly on top of the sensor and activate the tester. The sensor will alarm, then it will go into test mode for one minute. When in test mode the LED on the sensor will blink continuously. Extend the test mode time by firing the tester at the sensor at least once a minute.

**Test the Sensor**

1. Holding the tester near the surface of the glass, aim the tester at the ShatterPro™ and hold down the test button. If drapes or blinds are present, test with the hand-held tester behind the closed drapes or blinds (do not use sensor with heavy or lined drapes). If the sensor is mounted on the same wall, point the tester at the opposite wall.

2. The 5706C tester has a different setting for each type of glass. The tester should always be set for tempered or laminated glass (either is correct and both have the same range) unless the installer is certain that all the glass to be protected is plate glass.

When the LED on the sensor goes solid momentarily while the tester is triggered, the glass is within detection range. If the LED does not go solid, but simply continues blinking as before, reposition the sensor closer to the protected windows and retest. This may require adding additional sensors in order to achieve adequate coverage. It is very rare that the sensor will not activate within its stated range of coverage. Double-check adequate battery strength in the hand-held tester. A new tester battery will likely restore range.

**HOW THE TEST MODE WORKS**

The Pattern Recognition Technology™ of the ShatterPro™ ignores most false alarm sounds, including glassbreak testers, in order to test the ShatterPro™. With the sensor in test mode, processing of the glassbreak pattern in the upper and lower frequencies is disabled. The ShatterPro is then listening only for the mid-range frequencies, which the 5706C tester reproduces. It's the mid-range frequencies that determine sensor range.

**IN NORMAL MODE THE LED DOES NOT BLINK UNTIL IT HEARS A LOUD SOUND. IN NORMAL MODE, THE SHATTERPRO WILL NOT TRIP TO THE TESTER, UNLESS THE TESTER IS HELD NEXT TO THE SENSOR.**

**NOTE:**
Each time the sensor alarms it also goes into test mode for one minute.

**HAND CLAP TEST**

The ShatterPro 5845 can be checked by the installer or end user while in normal mode, simply by clapping hands loudly under the sensor. The LED will blink twice, but the sensor will not trip. This verifies visually that there is power to the sensor, and that the microphone and circuit board are functioning.

The hand clap activation is only momentary, so there is not appreciable effect on battery life. To disable this custom test function, remove the circuit board from the housing and plug one of the wires on the LED. The LED will no longer be operational, but the sensor can still be tested using the transmitter and the control panel.

**MOUNTING**

1. Remove insulator strip from between battery clip and battery.
2. Program the transmitter into control unit using learn mode and by pressing the Test Button.
3. Mount the ShatterPro.
4. Secure transmitter to ShatterPro using double-stick tape provided. Orient as shown below.
5. Snap the ShatterPro cover in place.
6. Test with Sentrol 5706C Hand-held Tester as directed.

**CHANGING THE BATTERY**

6-Volt Model 584506-W

(Shares transmitter battery)

Red — POSITIVE to battery + (Strap)

Black — NEGATIVE (COM.)

White — TRIGGER (EXT. CONT.) closes on alarm to battery (-)

**WHEN CONSOLE INDICATES A SENSOR LOW BATTERY, OPEN SENSOR CASE AND REPLACE BATTERIES**

**INSTALL TWO TYPE DL 2450 BATTERIES (+) SIDE UP**

**REMOVE BATTERY CLIP**

Screw and move clip to side to access batteries
**Temperatures Range** ……. 32° to 122°F (0° to 50°C)

**Color** ………………….. White

1. The ShatterPro is designed to detect the shattering of framed glass mounted in an outside wall. “Testing” the sensor with unframed broken bottles, etc., may not trip the sensor. The ShatterPro typically does not trip to glass break tests in the middle of a room such as breaks are false alarms.

2. False alarms are most likely to occur when installed on a 24-hour loop in glass foyers and glass vestibule areas, when mounted above sinks, when used in residential car garages and in other small, acoustically live rooms and areas where multiple sounds may reflect and eventually duplicate the glass break frequency pattern. For occupied areas break protection in such applications, use Sentrol shock sensors.

**INSTALLATION TIPS**

- **Recommended glass size of 1' x 2' (0.3 m x 0.6 m) or larger.**
- **Minimum glass size of 1' x 1' (0.3 m x 0.3 m).**
- Glass thicknesses as follows:
  - **Plate Glass:** 3/32" to 1/4" (2.4 mm to 6.4 mm)
  - **Tempered Glass:** 1/8" to 1/4" (3.2 mm to 6.4 mm)
  - **Laminated Glass:** 1/8" to 1/4" (3.2 mm to 6.4 mm)

**FOR BEST DETECTION, AVOID INSTALLING IN:**

- **Rooms with lined, insulating or sound deadening drapes.**
- **Rooms with closed wooden window shutters inside.**
- **Ceilings higher than 15' (4.5 m), if mounting on ceiling.**

**SHATTERPRO® RANGE OF COVERAGE**

- **20' (6.0 m) radius of coverage for plate glass.**
- **20' (6.0 m) radius of coverage for tempered, wired, laminated glass.**
- **Use 20' (6.0 m) if unsure of glass type.**
- **Specify 25' (7.5 m) radius if unsure of glass type.**
- **Use 20' (6.0 m) for windows with blinds and unlined drapes.**
- **Reduce coverage 50% for louvered or ventilated glass.**
- **No sensitivity adjustment.**

**FOR FALSE ALARM IMMUNITY, AVOID INSTALLING IN:**

- **24-hour loop applications (perimeter loop OK).**
- **Where white noise such as air compressor noise is present. (May cause false alarms by saturating the glass break frequency spectrum.)**
- **Rooms smaller than 10' x 10' (3 m x 3 m) with rooms with multiple sounds such as small kitchens, glass booths, noisy areas, garages, etc.**

**SHATTERPRO® MOUNTING LOCATION**

For best false alarm immunity the sensor should be located at least 4' (1.2 m) away from noise sources (televisions, speakers, sinks, etc.). The sensor must always be in direct line of sight of all windows to be protected. It cannot consistently detect glass breaks from corners, in other rooms, etc. There is no front or back, up or down, orientation of the sensor required.

**Ceiling Mounting**

Mount the ShatterPro™ on an adjoining or opposite wall from the windows to be protected. For best detection, sensors should not be mounted on the same wall as a window to be protected.

**NOTE:**

The equipment has been tested and found to comply with the limits for a Class B digital device pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.