

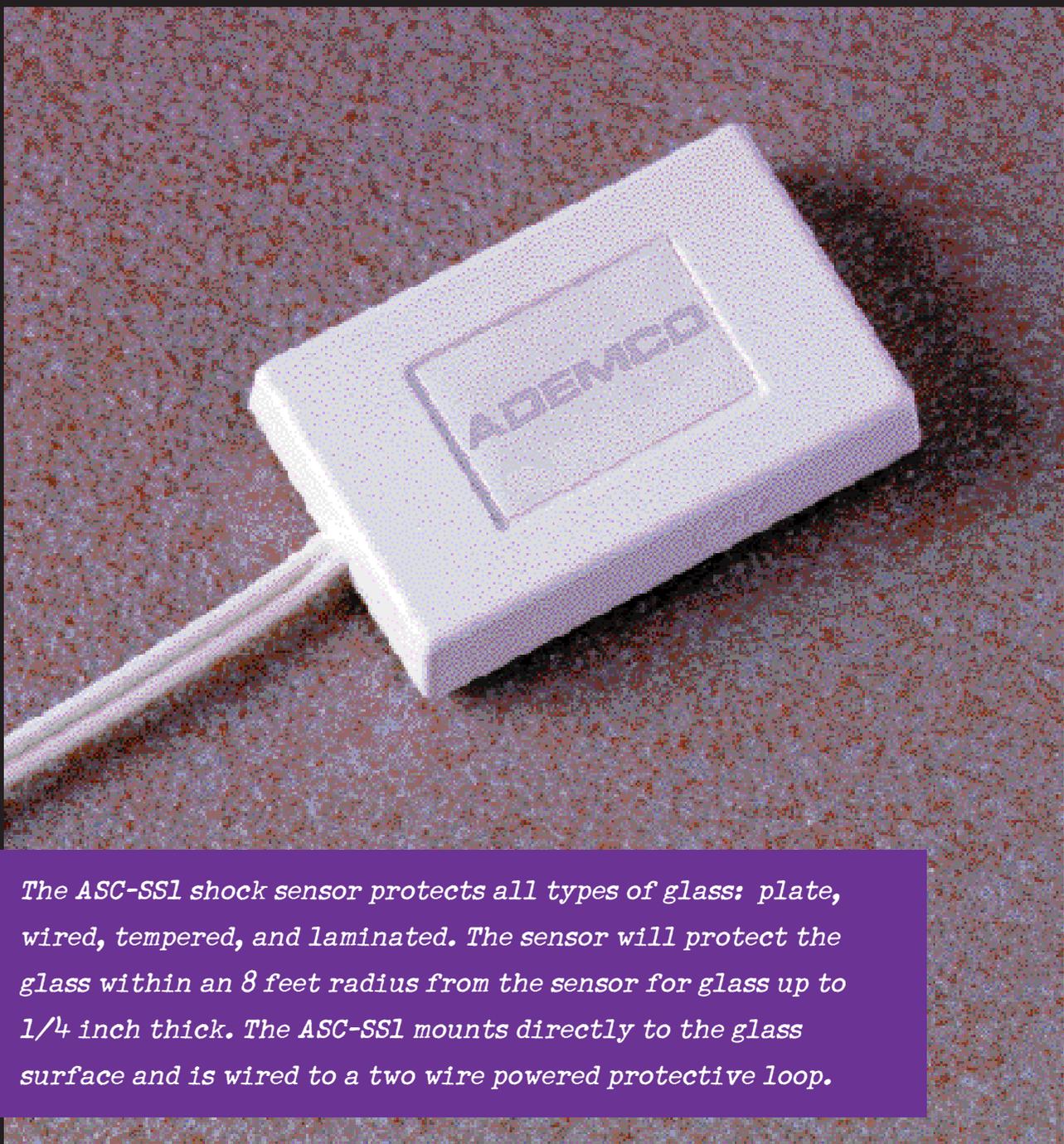


An ADEMCO Group Company

# ASC-SS1

Glass Break Sensor

glass break  
sensor



*The ASC-SS1 shock sensor protects all types of glass: plate, wired, tempered, and laminated. The sensor will protect the glass within an 8 feet radius from the sensor for glass up to 1/4 inch thick. The ASC-SS1 mounts directly to the glass surface and is wired to a two wire powered protective loop.*



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**Specifications:**

- Loop Voltage:** 3VDC minimum to 20VDC maximum
- Loop Current:** 100mA maximum
- Power Requirements:** Less than 1mA
- Transient Suppression:** 600 watts for 1mS
- Alarm Output Type:** Normally-closed solid-state output, non-polarized
- Alarm Output Resistance:** 20Ω maximum (closed/non-alarm condition)  
1MΩ minimum (open/alarm condition)
- Alarm Output Timing:** Open for 1 second minimum during an alarm condition
- Operating Temperature:** 0°F to + 130°F (-18°C to + 55°C)
- Case Dimensions:** 1.4" L x .95" W x .3" D  
(35.6mm L x 24.1mm W x 7.6mm D)
- Wiring Leads:** 22AWG, 2 conductor zip cord
- Color:** White

**Wiring**

The ASC-SS1 shock sensor is a two wire electronic device which draws minimal current (< 1mA) from the protective loop. When glass is broken, the sensor provides a normally-closed solid-state output (circuit opens on alarm) which is not polarity sensitive. The sensor employs transient suppression devices to protect against lightning.

The ASC-SS1 shock sensor does not require a processor.

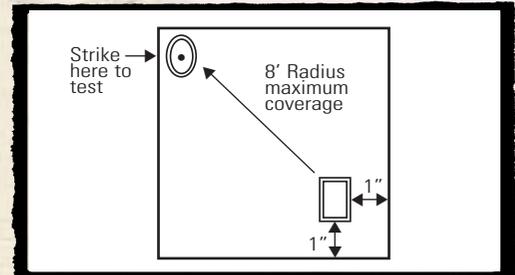
The ASC-SS1 shock sensor may be wired in series with multiple sensors. Care should be taken to ensure that the total resistance of the sensors in series does not exceed the capabilities of the alarm control panel.

**Testing**

To test the shock sensor, hit the protected glass on the corner furthest from the sensor (see diagram) using a blunt plastic or hard rubber object. This impact should create enough energy for the sensor to generate an alarm condition. Actually breaking the glass would create more energy than the test, so if the test impact causes the sensor to generate an alarm, protection is assured.

If the unit is tested in the alarm circuit, tripping the detector should trip the alarm panel. An alternate test method is to connect the sensor to an ohm meter and watch the resistance (less than 20Ω when not in alarm) increase to greater than 1MΩ for at least 1 second during an alarm condition.

**ASC-SS1**  
Glass Break Sensor



**Installation**

The ASC-SS1 shock sensor must be mounted in a corner of the glass. For best performance, do not mount the sensor closer than 1" from the window frame.

Shock sensors mount with double coated acrylic foam tape designed to resist the types of environmental stresses the shock sensor will experience after installation.

**How to Order:**

- ASC-SS1 Shock sensor, 2 wire, in white**
- ASC-SS1T Shock sensor, 4 wire, for tampered loop, in white**

**ADEMCO SIX YEAR OVER THE COUNTER LIMITED WARRANTY**

See ASC Sensor Source Book for warranty details.



**1-800-467-5875**

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