



5400 SERIES SHOCK GLASSBREAK SENSOR

Model numbers:
5414, 5415A, 5425,
5426, 5427, 5428

- **Mounts on the frame or on the glass**
- **Models with internal magnetic reed switch for double detection**
- **Adjustable sensitivity for enhanced detection and reduced false alarms**
- **Use for 24-hour loop protection**

The 5400 Series glassbreak shock sensor mounts on windows or doors, either on the frame or on the glass. The 5400 Series responds to the shock waves that are created when the protected glass is broken. Adjustable sensitivity allows each installation to be fine-tuned, enhancing the sensor's detection and minimizing nuisance alarms.

The 5400 Series mounts quickly using special adhesive strip or screws. The tape, formulated by 3M®, has been field-tested with proven reliability.

The 5400 shock sensor is ideal for rooms where acoustic sensors are not practical, such as acoustically live rooms, small glass rooms, on glass mounted near kitchen sinks, in high noise areas, and on a 24-hour loop.

Sensor range is up to 10' (3.5 m). Optional magnetic reed and tamper switches are available. These models are designed to detect forced openings and glass breaking with one wire run.

continued

Sentrol 5400 Series Glassbreak Shock Sensor

Architects' and Engineers' Specifications:

The 5400 Series glassbreak sensors shall detect the shock produced from breaking glass. The shock sensors can be mounted to the frame or on the glass. The sensors use a specially mounted piezo element to trigger a solid state circuit into an alarm condition. The output loop opens and an LED lights for 2 to 6 seconds. The output loop shall have a bi-directional normally closed alarm loop. The detector shall have a sensitivity adjustment to optimize performance at each installation. Terminal blocks shall be provided for easy wire installation. The sensor will be available as a two-wire battery sensor, a four-wire externally powered (9-16 volts) sensor, and a six-wire sensor with separate reed or tamper loop. A field selectable latching LED feature shall be available on the powered models. The sensor shall be installed with a double-sided tape pad or screws.

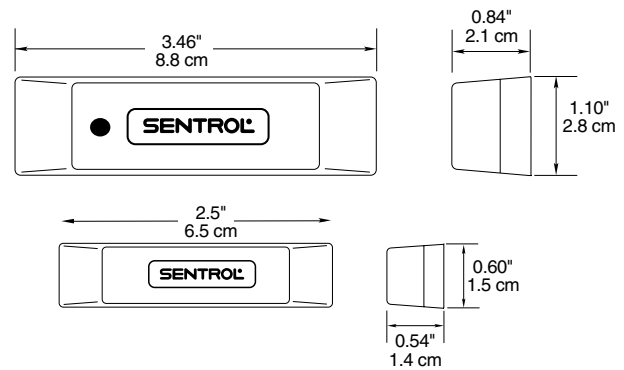
Specifications:

Electrical

Operational Voltage	9 to 16 V DC
Current Draw	15 mA max.
Resistance	
Normal	<15 Ohms (closed)
Alarm	>1 MOhm (open)
Maximum loop rating	16 V DC, 50 mA
Loop configuration	Closed loop
Output	Open 2 to 6 seconds on alarm
Number of leads	
5414, 5415A	2 (alarm loop)
5425	4
5426, 5427, 5428	6

Battery Models (5414, 5415A)

Battery type	Lithium
Battery life	15 years (estimated)



Environmental

Lightning suppression	400 watts for 2 msec pulse
Operating temperature	-4°F to 131°F (-20°C to 55°C)

Features

Housing material	Flame retardant ABS plastic
Sensitivity setting	Adjustable
Range	Up to 10' (3.5 m)
Glass types protected	
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	Mount on glass or mount on frame
Mounting method	High bonding acrylic tape or screws
Dimensions	1.1" H x 0.84" W x 3.46" L (2.8 mm x 2.1 mm x 8.8 mm)
Color	White, Mahogany brown

Ordering Information

Description	Model Number	Color
Shock sensor, lithium battery, tamper, 2-wire	5414-W	White
Shock sensor, lithium battery, tamper, 2-wire	5414-M	Mahogany brown
Shock sensor, lithium battery, tamper, 2-wire, alarm loop reed switch, magnet	5415A-W	White
Shock sensor, lithium battery, tamper, 2-wire, alarm loop reed switch, magnet	5415A-M	Mahogany brown
Shock sensor, external power, 4-wire, latching LED option	5425-W	White
Shock sensor, external power, 4-wire, latching LED option	5425-M	Mahogany brown
Shock sensor, external power, 6-wire, latching LED option, reed loop, magnet	5426-W	White
Shock sensor, external power, 6-wire, latching LED option, reed loop, magnet	5426-M	Mahogany brown
Shock sensor, external power, 6-wire, latching LED option, tamper loop	5427-W	White
Shock sensor, external power, 6-wire, latching LED option, tamper loop	5427-M	Mahogany brown
Shock sensor, external power, 6-wire, latching LED option, tamper loop, alarm loop reed switch, magnet	5428-W	White
Shock sensor, external power, 6-wire, latching LED option, tamper loop, alarm loop reed switch, magnet	5428-M	Mahogany brown



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