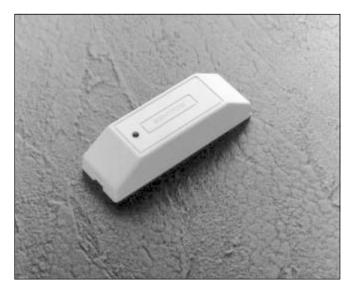


PRODUCT INFORMATION BULLETIN



5402 AND 5422

METAL ENCLOSURE ASSAULT SENSORS

MODEL NUMBERS: 5402, 5422





- UL and ULC Listed for metal control panel boxes
- Replaces costly lined boxes
- Easy to use, field-proven 3M[®] adhesive mounting
- No sensitivity adjustment necessary

The 5402 and 5422 metal enclosure assault sensors respond to the shock waves created when metal is cut, sawed, impacted or drilled. The sensors are ideal for protecting sheet metal enclosures up to 2' x 4' x 1' (61 cm x 122 cm x 30.5 cm). Use these sensors as an inexpensive way to protect a control panel from tampering, in place of costly lined boxes and to avoid mounting controls in the vault for UL and ULC mercantile applications.

The sensor mounts vertically inside the metal box, near the hinge. A special adhesive tape makes installation quick and convenient. The tape, formulated by 3M®, has been field-tested with proven reliability.

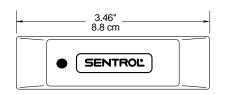
Quick and easy to install. No sensitivity adjustment is necessary.

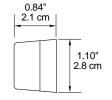
continued

Sentrol 5422 Series Metal Enclosure Assault Sensor

Architects' and Engineers' Specifications:

The 5402 and 5422 metal enclosure sensors detect assaults to sheet metal enclosures by sensing shock signals associated with these attacks. When the specially mounted piezo element detects an assault, the solid state circuit produces an alarm condition. The output loop opens and an LED lights for 2 to 6 seconds. The output loop has a bi-directional normally closed loop. No sensitivity adjustment is required. Terminal blocks are provided for easy wire installation. The sensor is available as a two-wire battery sensor or a four-wire externally powered (9-24 volts) normally closed loop version. The sensor will be supplied with a double-sided tape pad for easy mounting.





Specifications:

Electrical	
Operational Voltage (5422)	9 to 24 V DC
Current Draw	15 mA max.
Resistance	
	<15 Ohms (closed)
Alarm	>1 MOhm (open)
Maximum loop rating	24 V DC, 50 mÁ
Loop configuration	Closed loop
Output	Open 2 to 6 seconds on alarm
Number of leads	·

5422, externally powered	······	4
5402		

5402, lithium battery2 (alarm loop)

Environmental

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

Features

	Flame retardant ABS plastic
Sensitivity setting	None
	Vertically, inside box, near hinges
	High bonding acrylic tape
Dimensions	1.1" W x 0.84" H x 3.46" L
	(2.8 mm x 2.1 mm x 8.8 mm)
Color	Gray

Ordering Information

Model Number	Description	Color	Listing
5402-W	Metal enclosure shock sensor, lithium battery, 2-wire	Gray	UL, ULC
5422-W	Metal enclosure shock sensor, external powered, 4-wire	Gray	UL, ULC



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