

**DSC shock sensors, SS-101 and SS-102, have the ability to detect and analyze seismic vibrations caused by attempted break-ins before the intruder is able to enter the premise.** These sensors are ideal for residential, commercial, government buildings and financial facilities. They feature a unique bi-colored LED to indicate minor or major attacks, full anti-tamper protection, a moisture-resistant electronics module, and an analyzer that enables sensitivity adjustment of the sensors. Both sensors have a high immunity to low-frequency false alarms and radio interference and are compatible with all makes of control panels. The SS-102 is able to monitor for minor vibrations (and count them to a preset limit) and for major attacks at the same time.



## Product Features:

- ▶ Effective early detection of break-in attempts
- ▶ Universal control panel compatibility
- ▶ Unique bi-colored LED
- ▶ Full anti-tamper protection
- ▶ Moisture-resistant electronics module
- ▶ Dual-stage linear sensitivity adjustment
- ▶ High immunity to false alarms and radio interference
- ▶ Automatic relay reset
- ▶ Adjustable pulse count (2, 4 or 6) (SS-102 only)
- ▶ Meets the requirements of B.S 4737
- ▶ CE approved, C-Tek, FCC listed

## Small and Unobtrusive

The shock sensors are the perfect solution for those projects where aesthetics and being discreet are important. Ideal for all types of residential or commercial installations, the shock sensors are able to fit all types of window/door frames or any other surface that requires protection.

## Testing Procedure for Pulse Count (SS-102 Only)

After selecting the number of pulse counts (2, 4 or 6) desired and adjusting the sensitivity accordingly, tap the area of coverage allowing a few seconds between each tap. After each tap, the LED will illuminate red, indicating the receipt of vibration and a pulse count. Once the pre-selected pulse count has been achieved, the SS-102 will activate the relay and the LED indicator will show green. In the event of a major attack, the shock sensor will disregard the pulse count memory, activate the relay, illuminate the LED green and go into alarm.

## Detection Range

- Brick Wall: 2.5 m
- Steel: 3 m
- Wood: 3.5 m
- Concrete: 1.5 m
- Plywood: 4 m
- Gyproc: 2.5 m
- Glass: 3.5 m



## Compatibility

The SS-101 and SS-102 shock sensors are compatible with all makes of control panels.

## Specifications

|                                |   |
|--------------------------------|---|
| Dimensions .....               | 1" x 1 11/12" x 3 1/3"<br>(25 mm x 23 mm x 85 mm)                                   |
| Current Draw .....             | 16 mA (Max)   |
| Sensitivity Setting .....      | Dual Stage Potentiometer  |
| Latching/Non-Latching .....    | (SS-101) 1st + Subsequent<br>or Any<br>(SS-102) 1st + Subsequent<br>or Any + 6 Wire |
| Indicator .....                | Two Color LED   |
| Relay Contact Rating .....     | 150 mA, 24 V Resistive,<br>10 Ohm 1/4 Watt  |
| Time Relay Open In Alarm ..... | 1 Second (Min)  |
| Operating Environment .....    | -4° to 140° F<br>(-20° to 60° C)  |
| Relative Humidity .....        | 0% to 90%   |

### Ordering Information:

|              |              |
|--------------|--------------|
| SS-101 ..... | Shock Sensor |
| SS-102 ..... | Shock Sensor |



**For product information**  
[www.dsc.com](http://www.dsc.com)

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