

## Mini Shock Vibration Detector

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# Operating Instructions



### Features

- For use in closed-circuit alarm systems • Pure silver contacts with gold plating to ensure reliable and long-term operation • Ideal for protecting glass windows, showcases, solid walls, ceilings, safes, cabinets, motorcycles, skylights, etc.
- Small size for discreet installation Built-in tamper switch provides enhanced security
    - Adjustable contact pressure for different surfaces • Detects a vibration/shock on protected surface and activates an alarm

## Enforcer® S 5368 Mini Shock Vibration Detector

### Introduction

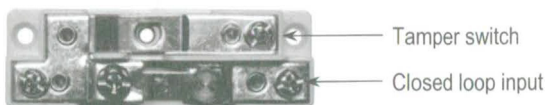
This mini shock detector is designed for protection against forced entry by a hammer, saw, crowbar, etc. through walls, ceilings, windows, safes, cabinets, etc. For use in closed-circuit alarm systems, the SS-040Q will initiate an alarm when a vibration of considerable force strikes the protected surface. A built-in tamper switch is independently wired from the vibration detector for enhanced security. Vibration contacts are adjustable by turning an adjustment screw to respond on any surface- glass, wood, steel, plasterboard, or brick. Pure silver contacts with gold plating ensure years of long-term operation. Its dust-tight ABS case is small and can be easily mounted inside with double-sided adhesive tape.

### Specifications

Circuit Type	N.C., momentarily open when activated
Contact pressure	Adjustable from 1 to 50 grams but recommended setting between 5 and 25 grams only . Supplied with pressure of approx . 6 grams
Current rating	1A@50VDC
Break time	Approx. 45 ms max. (at 6-gram pressure)
Estimated life	Over 100,000 cycles
Contact	Silver with gold plating
Case	ABS resin
Operating temperature	-40°-16r F(-40°-75° C)
Dimensions	60 x 21 x 15mm
Weight	20g

### Installation and Operation

1. Remove the cover and connect one lead of the wire from the N.C. input of the alarm to the terminal near the opening. Connect the other lead to the terminal of the tamper switch, as shown below. It will trigger the alarm whenever it is vibrated , shaken, or its cover is removed



2. If you choose not to use the tamper switch, fasten the wire to the terminal farther from the opening, as shown below. It will trigger the alarm only when it is vibrated or shaken



**NOTE:** When protecting windows, the preferred installation method is to mount the detector on the frame of the window rather than directly on the glass. This reduces the chance of false alarms resulting from heavy vehicles passing by or from pedestrians inadvertently tapping on the window.

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### Adjusting the Sensitivity

Contact pressure below 5 grams is not recommended, as erratic operation may result and cause false alarms. Contact pressure above 25 grams is not recommended because (a) it may permanently damage the vibration blade; (b) the detector may not be sensitive enough to detect vibration. However, this depends on the location where the detector is installed. If installed on a ceiling, the pressure must be increased because the internal weightfaces downwards, thus reducing the actual pressure that is applied.

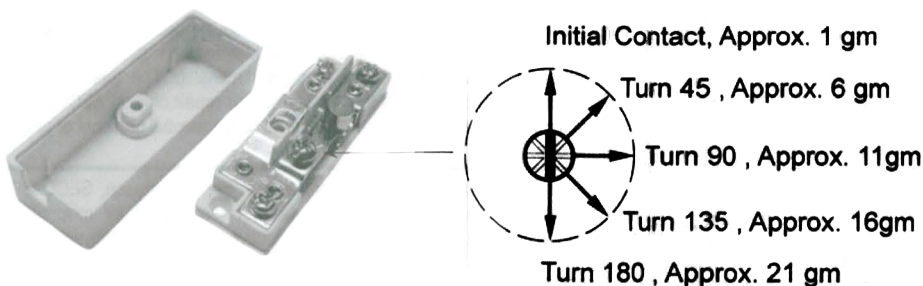
As the detector can be used on surfaces of different materials which transfer different amounts of pressure from the same vibration/shock, it may be necessary to adjust the sensitivity. Turning the adjustment screw in a clockwise direction makes the contact less sensitive; in a counterclockwise direction makes the contact more sensitive. Proper adjustment is necessary to avoid false alarms or non-activation of the alarm.

To adjust the pressure if a Gram Meter is not available, please do the following:

1. Determine the initial contact point of the vibration detector. This is done by rotating the adjustment screw in a clockwise direction until the contact points just touch. At this point the pressure is usually approx. 1 gram. (An ohm meter placed across the terminals will show exactly when initial contact is made.)
2. After contact, turn the adjustment screw past the contact point in the following increments to obtain the sensitivity you require:
  - a) 45 degrees to obtain approximately 6 grams,
  - b) 90 degrees to obtain approximately 11 grams,
  - c) 135 degrees to obtain approximately 16 grams, etc.

Please refer to figure 1 shown below.

Fig. 1: Adjusting Vibration Detector Pressure



## **Enforcer® S 5368 Mini Shock Vibration Detector**

Altronic Distributors warrants this product for one year from date of purchase from Altronics or its resellers to the consumer. If this item is part of an installation or another product, please contact the installer or supplier for your warranty.

During the warranty period, we undertake to repair or replace your product at no charge if found to be defective due to a manufacturing fault. The warranty excludes damage by misuse or incorrect installation (i.e. failure to install and operate device according to specifications in the supplied instruction manual), neglect, shipping accident, or no fault found, nor by use in a way or manner not intended by the supplier. For speakers, misuse includes burnt out voice coils.

For repair or service please contact your PLACE OF PURCHASE.

If this item was purchased directly from Altronics please make a warranty claim by:

### **1. FOR MAIL ORDER CUSTOMERS (includes school and trade orders),**

- a) Ringing us on 1300 797 007 and quoting your tax invoice number.
- b) Upon contacting Altronics, we will issue an R.A. (Return Authorisation). As Altronics have a number of service agents throughout Australia, a copy of the R.A. will be emailed, faxed or mailed to you with full instructions of how and where to send the goods. The freight for shipping goods back to Altronics for all repairs is at the customer's expense.
- c) A copy of the R.A. form, (or at the very minimum, the R.A. number) must accompany the goods to effect the repair.
- d) Altronics will pay the return freight to the customer where the warranty claim has been accepted.
- e) Please quote the R.A. number in any correspondence to us.

### **2. FOR OVER THE COUNTER PURCHASES; to make a warranty claim, please return the goods to us in any of our stores, with a copy of your proof of purchase (tax invoice).**

- a) Upon leaving the goods at one of our stores, an R.A. number will be issued to you.
  - b) Once repaired, you will be contacted, advising that the goods are ready to be collected from the store.
- It is at Altronics discretion as to whether the goods will be repaired or replaced (whilst under warranty); and as to whether identical goods will be used to replace the item due to changes of models / products.

**Note: Under no circumstances should you attempt to repair the device yourself or via a non-authorised Altronics service centre, as this will invalidate the warranty!**

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

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• Perth • Sydney • Melbourne  
Phone: 1300 780 999 Fax: 1300 790 999  
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