

ENFORCER[®]

Security

MANUAL

SS-040Q

Mini Shock/Vibration Detector



The ENFORCER **SS-040Q MINI SHOCK/VIBRATION 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 contact points ensure years of long-term operation. Dust-tight ABS case is small and can be easily mounted inside with two-sided adhesive tape.

SLI[®] SECO-LARM[®]



NOTE: Products with a model number that ends with "Q" or have a round green "Q" sticker represent RoHS compliant products.

FEATURES

- For use in closed-circuit alarm systems.
- Pure silver contacts ensure reliable and long-term operation.
- Ideal for protecting glass windows, showcases, solid walls, ceilings, safes, cabinets, motorcycles, skylights, etc.
- Small size and 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.

SPECIFICATIONS

Circuit:	Normally-closed contact, 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)
Life:	Over 100,000 contacts
Contact:	Pure silver
Case:	ABS resin
Size:	15mm (H) x 21mm (W) x 60mm (L)
Weight:	20 gms

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 of the **SS-040Q** near the opening. Connect the other lead to the terminal of the tamper switch, as shown below.



The **SS-040Q** 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.



The alarm will trigger only when the **SS-040Q** is vibrated or shaken.

NOTE: When protecting windows the preferred installation method is to mount the **SS-040Q** on the frame of the glass window rather than directly on the glass. This reduces the chance of false alarms resulting from heavy vehicles passing by or from inadvertent tapping on the window by pedestrians.

HOW TO ADJUST 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. This depends on the location where the detector is installed. If installed on a ceiling the pressure must be increased. Because the internal weight faces downwards, this reduces the pressure that is applied.

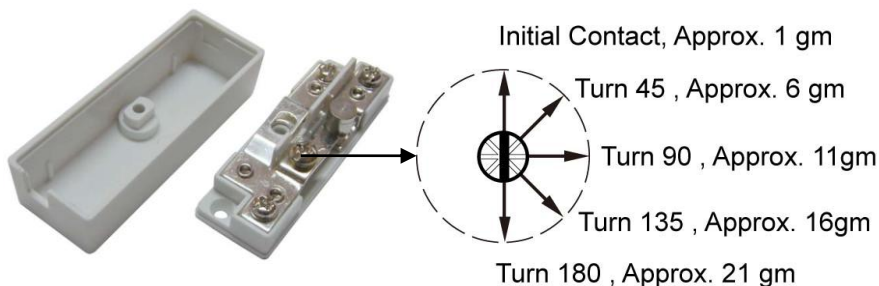
As the **SS-040Q** can be used surfaces of different materials which transfer different amounts of pressure from the same vibration/shock, it may be necessary to adjust the sensitivity.

Turning the adjustment screw (a) in a clockwise direction makes the contact less sensitive, (b) in a counterclockwise direction makes the contact more sensitive. Proper adjustment may be 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 (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. to obtain the sensitivity you require. Please use figure 1 shown below.

Figure 1: Adjusting Vibration Detector Pressure



Also Available from SECO-LARM:

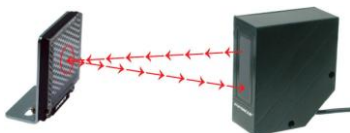
Audio Discriminator



E-190

- Covers an area 45 feet in front and 25 feet to either side.
- Incorporates SECO-LARM's patented yellow turbulence LED.

Entry Alert System



E-931CS22RRQ

- For monitoring an entrance or use as an entrance indicator
- Retro-reflective beam sensor.
- Range up to 22 feet.

Twin or Quad Photobeam Detectors



E-964-D90Q

(shown)

- Twin beams available in ranges up to 90, 190, 290, and 390 feet.
- Quad beams available in ranges up to 165, 330, 495, and 660 feet.

Reflective-Beam Sensor



E-931-S35RRQ

- For garage doors, outdoor gates or overhead doors or as a sensor for industrial automation.
- Weatherproof (IP66) design for indoor/outdoor applications

SECO-LARM carries a complete line of security products.

For more information please visit www.seco-larm.com

WARRANTY This SECO-LARM product is warranted against defects in material and workmanship while used in normal service for a period of one (1) year from the date of sale to the original consumer customer. SECO-LARM's obligation is limited to the repair or replacement of any defective part if the unit is returned, transportation prepaid, to SECO-LARM. This Warranty is void if damage is caused by or attributed to acts of God, physical or electrical misuse or abuse, neglect, repair, or alteration, improper or abnormal usage, or faulty installation, or if for any other reason SECO-LARM determines that such equipment is not operating properly as a result of causes other than defects in material and workmanship. The sole obligation of SECO-LARM, and the purchaser's exclusive remedy, shall be limited to replacement or repair only, at SECO-LARM's option. In no event shall SECO-LARM be liable for any special, collateral, incidental, or consequential personal or property damages of any kind to the purchaser or anyone else.

NOTICE: The information and specifications printed in this manual are current at the time of publication. However, the SECO-LARM policy is one of continual development and improvement. For this reason, SECO-LARM reserves the right to change specifications without notice. SECO-LARM is also not responsible for misprints or typographical errors.

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