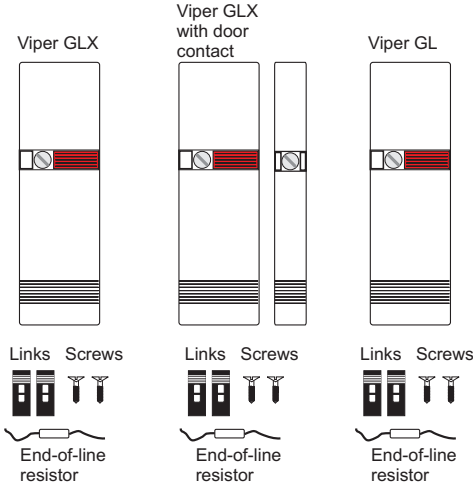




Viper GL / GLX / GLX with Door Contact Installation instructions

Please read these instructions before commencing installation



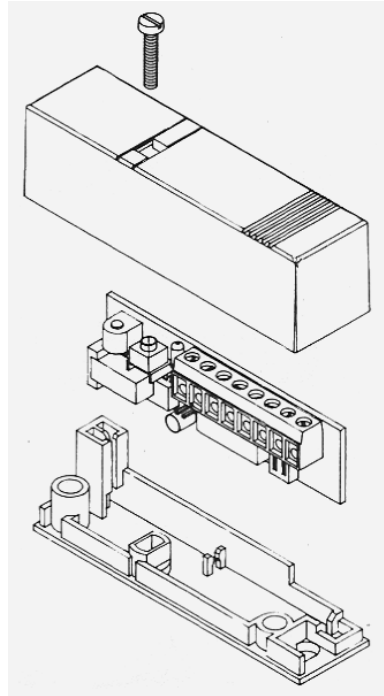
Features

- Solid state no moving parts
- Individual sensitivity control
- Mount in any orientation
- Double knock select
- Latching LED indication
- Remote reset

Additionally with VIPER GLX

- First to alarm
- Door contact

Viper is a World leader in the design and manufacture of Solid State Shock Sensors – having sold more than 2,000,000 units. The product you have purchased herewith represents the culmination of significant investment both in time and money to bring you a user friendly, reliable and cost-effective product. Designed and built on the grounding of the extremely successful VIPER 3 and EUROVIPER Shock Sensors.

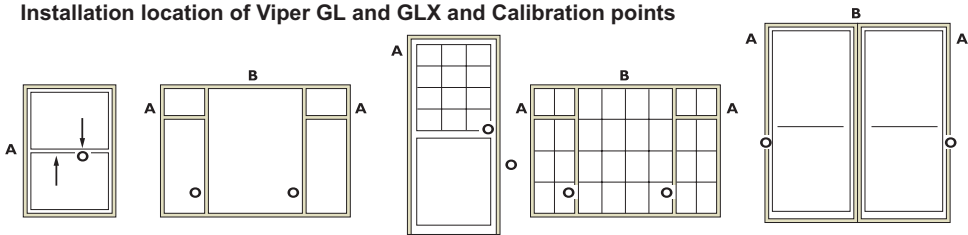


Product overview

The VIPER GLX and VIPER GL Shock Sensor have been designed using advanced CMOS technology, to offer a product that will out perform all previously available devices – both in their response characteristics and also their immunity to false alarms. The detectors are truly solid state with no moving parts and are therefore non-gravity dependent – they can be installed in any plane or orientation. Both Detectors offer a latching LED indication that can be remotely reset or left illuminated to act as a deterrent. Sensitivity is controlled by a variable potentiometer coupled with Dual Sensitivity Link – so offering fine adjustment possibilities. For a problematic situation where there is a high probability of single unintentional impacts a Patent Double Knock feature can be used.

Installation instructions

Installation location of Viper GL and GLX and Calibration points



- A - Preferred location
- B - Location if detection area is within 8ft of Transmitter
- O - Suggested position of calibration tool

Installation

Detector location details are shown above. Cable entry to the detector can be gained from the rear of the unit or via the cut out section on the lid. Where possible the cable should be routed such that it runs upwards to the detector.

1. Remove the detector from its packaging and retain the two mounting screws.
2. Remove the lid by means of the screw.
3. To remove the PCB and assist installation, hold the PCB by the end of the terminal strip and rotate away from the base moulding.
4. Select the desired location for the detector, ensuring the surface is smooth and clean.
5. Attach the base using the 2 screws provided (longer screws can be used providing the diameter is not increased).
6. The detector can now be wired to your installation requirements.

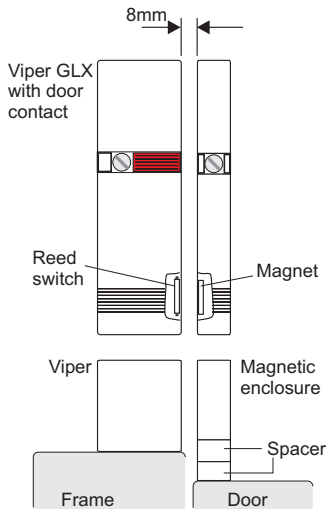
Additional procedure for Viper GLX with door contact

This Viper has a built in door contact facility incorporated into the alarm circuit. When installed correctly the unit will activate on detection of a valid vibration and/or the opening of the protected door / window.

1. Install the Viper in the normal manner, generally on the frame of the opening of the protected door / window etc. An allowance must be made for the

location of the magnet enclosure. This must be within 8mm of the Viper, on the side as shown.

Note: The magnet inside the enclosure will lie adjacent to the reed switch on the rear of the PCB.



2. The magnet enclosure can now be installed on the opening section of the protected area. The face of the magnet enclosure must lie at, or as near as possible to the same level as the face of the Viper, and this can be varied by adding the supplied spare bases. Note: One of the 3 supplied bases has a nut incorporated. The screw from the cover must pass into this nut.

Calibration procedure

These procedures are valid irrespective of installation wiring.

1. Ensure the control panel is OFF or UNSET.
2. Ensure both DIL Switches "ON" / Links "UNCUT".
3. Apply power to terminals 5 (12V) and 6 (0V)
4. Set the detector to maximum sensitivity -Adjust the Sensitivity Control fully clockwise and remove the Dual Sensitivity Link.
5. Tap the base moulding lightly to ensure functionality – The LED will light and flash within an 8-second period – If the LED fails to show, recheck all connections and settings.
6. Apply the Viper Calibration Tool of other suitable implement around the extremities of the area under protection. The LED extinguishes for 8 seconds on detection of a valid vibration.
7. If desired, the sensitivity in the high range area may now be reduced by turning the potentiometer anti-clockwise and repeating the above process. If the potentiometer does not offer a sensitivity that is low enough the Dual Sensitivity Link should be fitted. This now allows the potentiometer to adjust the sensitivity in the low range area.
8. This process can be repeated until the desired sensitivity has been achieved.

Single Knock

- DIL Switch position 1 "ON" /Link 1 to be "UNCUT"

This option will command the detector to respond to the first occasion the pre-set alarm threshold is exceeded – Sensitivity setting.

Double Knock

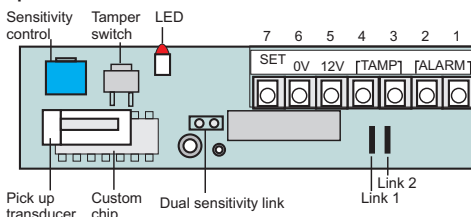
- DIL Switch position 1 "OFF" / Link 1 to be "CUT"

This option will permit the detector to ignore the first transient shock signal of less than 200mS, which exceeds the pre-set alarm threshold and respond only to the second impact – within an 8-second time frame. If however the first impact exceeds this 200mS duration the detector will respond instantaneously – Double Knock will be overridden.

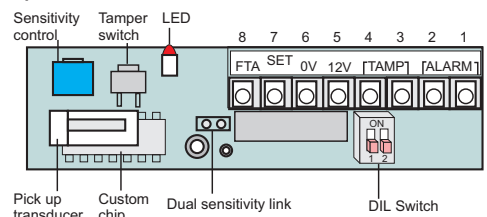
Wiring

- Terminals 1 and 2 forms a normally closed circuit, which will open momentarily on an alarm condition or permanently on power removed. THIS IS THE ALARM CIRCUIT and should be wired in a series format.
- Terminals 3 and 4 forms a normally closed circuit which will open whilst the cover is removed THIS IS THE 24 HOUR TAMPER CIRCUIT and should be wired in a series format
- Terminal 7 is SET input, and is used to remotely control the LED indication
- Terminal 8 is First To Alarm Bus Line. This is present only on the VIPER GLX.

Viper GL PCB



Viper GLX PCB



6 core wiring

First to Alarm and remote LED Control not available

- No wires are taken to terminal 7 (SET) or 8 (FTA).
- If a LED indication is required then set the DIL Switch position 2 “ON” / link 2 “UNCUT”.
 - The LED would be extinguished on Power Up and flash only on detection of an alarm. It will remain flashing until an attack is detected when it will be extinguished for 8 seconds. To reset the LED completely the power to the detector should be momentarily removed.
- If no LED indication is required DIL switch position 2 “OFF” / link 2 “CUT” and a wire link fitted between Terminals 7 (SET) and 5 (12V)

7 core wiring

First to Alarm not available

- No wire is taken to terminal 8 (FTA)
- DIL Switch position 2 “OFF” / Link 2 “CUT”
- The wire to terminal 7 (SET) must be from a panel output which is 12V when the alarm is SET. In an UNSET condition the 12V should fall to 0V
- The LED can now be controlled from the panel. There is no need to interrupt the supply to the detector.
 - When the system is SET and a VIPER activates the LED will be held OFF until the system is UNSET. The LED on any VIPER triggered will then flash. The transition to 12V on a subsequent setting of the system will RESET the LED indication.

8 core wiring

Viper GLX only

- The wire that is taken to terminal 8 is common bus line, which need not go back to the panel.
- DIL Switch position 2 “OFF” / link 2 “CUT”
- The wire taken to terminal 7 (SET) must be from a panel output, which is 12V when the alarm is SET - In an UNSET condition the 12V should fall to 0V.
- The End of Line Resistor supplied needs to be fitted on ONE DETECTOR ONLY from terminal 8 (FTA) to terminal 5 (12V)
- The LED can now be controlled from the panel. There is no need to interrupt the supply to the detector.
 - When the system is SET and a VIPER activates the LED will be held OFF until the system is UNSET. The LED on the first VIPER triggered will flash, additional VIPERS that have activated will illuminate a steady LED. The transition to 12V on a subsequent setting of the system will RESET the LED indications and FTA memory.

For Technical Support

 : 0906 302 0999

This is a premium rate line, calls are charged at 50 pence per minute

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