

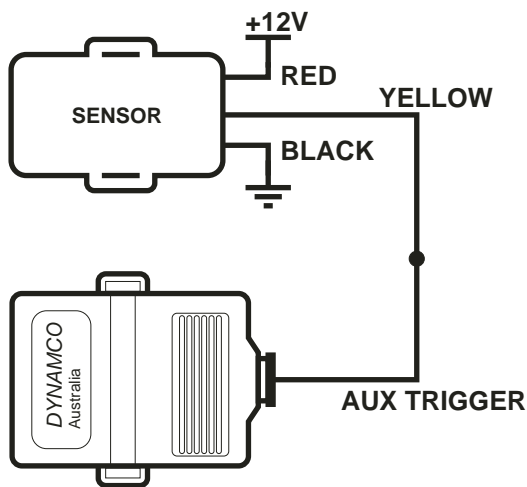
SEN-002 SINGLE STAGE SHOCK SENSOR

INTRODUCTION

The SEN-002 single stage shock sensor is designed to detect any vibration applied to the vehicle. When the vibration exceeds the set level, the sensor will ground its trigger wire. The red status LED in the sensor will illuminate when the sensor is triggered.

The SEN-002 will plug directly into the three way socket in most of our modules. Or trigger wire may be connected to the Auxiliary Trigger wire if available***.

WIRE DESCRIPTION



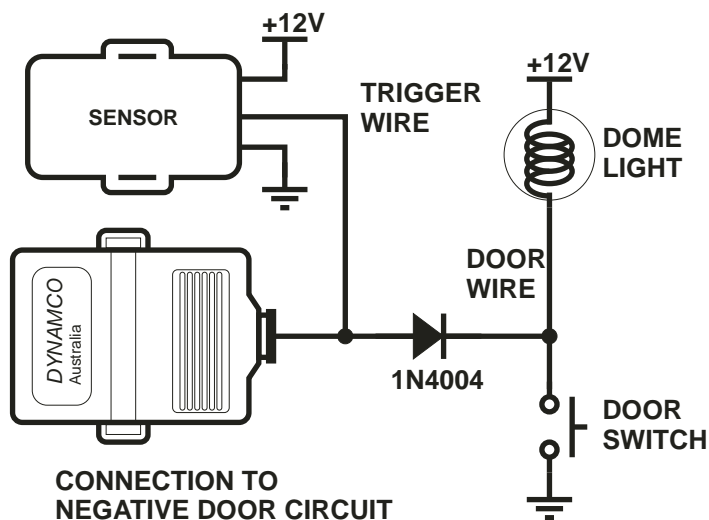
only relevant wires shown

- RED:** Power to shock sensor, connect to constant power.
- YELLOW:** Negative trigger output (100mA max). Connect to any negative input of alarm system***.
- BLACK:** Ground to shock sensor, connect to chassis of vehicle.

*** An isolation diode must be used if connecting the trigger wire to an alarm's negative door circuit. The sensor will attempt to ground the interior light of the vehicle if triggered while the door is closed.

Dome light current may exceed 1amp, the sensor's output driver is rated to 100mA max. The excess current will burn out the sensors driver.

MOUNTING SENSOR

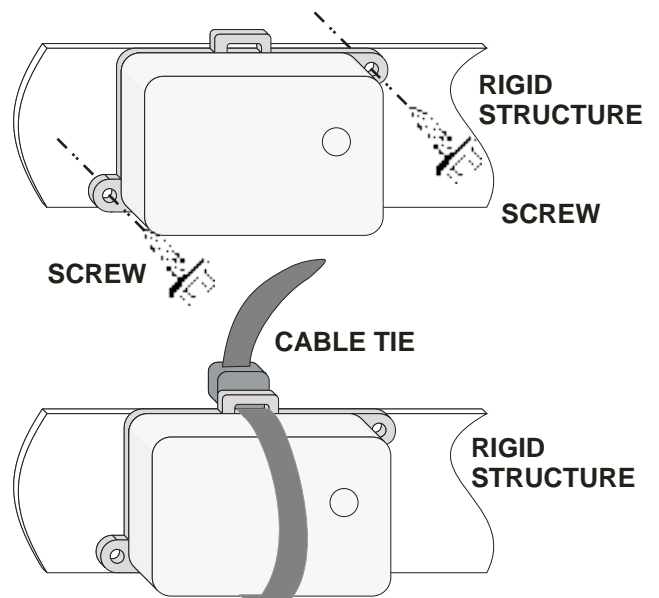


CONNECTION TO NEGATIVE DOOR CIRCUIT



Cable tie or screw the sensor against rigid structure within vehicle. The rigid structure must pass any all vibration to the sensor, the steering column is an excellent example.

Set sensitivity appropriately by turning the dial. Clockwise rotation increases sensitivity. Smaller cars will need less sensitivity.



TESTING

Testing the sensor should be carried out once the sensor has been mounted and connected correctly.

Use the red status LED in the sensor to show when the sensor is triggered by test shocks.

Test shock can be produced by:

- Kicking each* tyre in turn
- Carefully pounding each* window in turn.

* rear tyres and windows may need more sensitivity, however this will increase chances of false alarms.

SPECIFICATIONS

| | |
|-------------------|----------------------------|
| Operating voltage | +10VDC to +15VDC |
| Operating current | triggered 13mA |
| | idle 1.3mA |
| Trigger pulse | add 1 second to shock time |