OMEGA
RESEARCH AND DEVELOPMENT, INC.

Avant*Edge*

OEM Security Impact Sensor

The AvantEdge adds impact detection to a factory alarm system; arms automatically yet allows the user to turn it on and off; and includes a visual indicator and deterrent light. It has the following features:

- A 3 second output pulse when the impact sensing threshold is exceeded. This output is programmable for (-) or (+) by the jumper next to the main harness port (White 4-pin).

- Only four wiring connections:
  Black Connect to Constant (+) Volts.
  Red Connect to (-) Ground.
  Orange Turns the sensor on and off. For an OEM alarm application, connect this wire to Ignition (+) 12 Volts in the vehicle. Configured thus, the sensor will become armed about 35 seconds after the ignition key is turned off.
  Blue Is the trigger output, (-) or (+). Connect this wire to a wire in the car which will trigger the OEM alarm. A hood open detection wire is recommended; otherwise a door open detection wire may be used, but in some cases this will illuminate the dome light when the sensor is armed and reacts to an impact. Most OEM alarms do have a hood open detection circuit, in many cases within the latch.

- Full sensitivity adjustment. Turn the adjustment on top of the sensor clockwise for more sensitivity, counterclockwise for less. Full counterclockwise (to the stop) turns the sensor off. To aid in adjustment, the green LED light on the sensor illuminates whenever the sensor is triggered.

- The AvantEdge also includes a user valet switch and LED indicator light (Red color). These may be separately mounted, or in the holder. The light flashes rapidly when the sensor is arming, flashes slowly when the sensor is armed, and will also light steady for 3 seconds when the sensor detects a shock and triggers. The valet switch is a latching push-button type, pressed in the sensor will operate; and pressed and re-leased the sensor will not operate. If the sensor is turned off, there will be not be an LED light indication.

The AvantEdge offers a most needed upgrade for OEM "security" systems!