

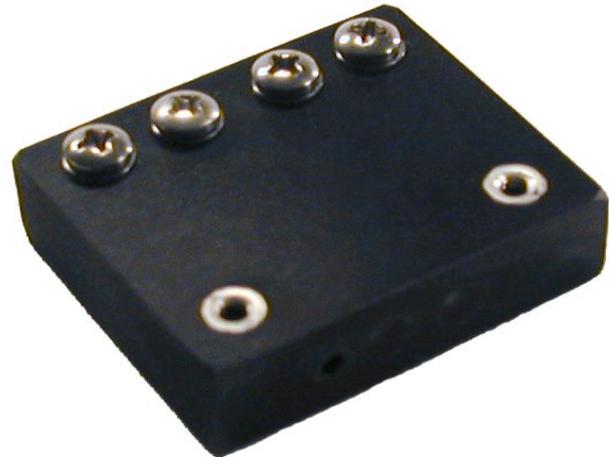
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## 5-24 VDC Programmable Accelerometer

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### FEATURES

- Programmable threshold and sensitivity
- Two axis sensing
- Senses up to 12g of acceleration
- Power and Trigger LEDs
- Infrared input
- Photo isolated output



### SPECIFICATION

- Power Switching Capability
- 2 mA typical
  - Photo isolated
  - Normally high, pulled to ground on trigger
- Infrared Input
- Dimensions
- 1.5" x 1.75" x 0.5"
- Min Sensing Acceleration
- 0.01g
- Max Sensing Acceleration
- 12g
- Operating Voltage
- 5-24VDC
- Operating Current
- <3mA @12V
- Triggered Current
- <7mA @12V

### DESCRIPTION

The 9233 programmable accelerometer is a low cost threshold acceleration sensor. The 9233 pulls down a photo isolated output when the device exceeds a threshold value. Acceleration is measured on two axis and summed prior to comparison with the threshold value.

The two axis sensing plane is perpendicular to the top side (terminal side) of the device.

The threshold value and device sensitivity are programmable from the infrared input port and using the 9233 programmer application. The 9233 features two sensitivity settings with a maximum sensing of 12g.

### APPLICATIONS

- Incline sensor
- Black box devices
- Vibration sensor



# Programmable Accelerometer Model 9233

