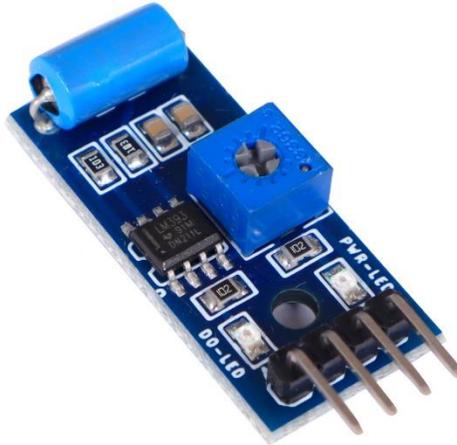


SW420 Vibration Sensor Module



Description:

Vibration sensor module or Motion sensor module or vibration switch SW-420 module based on the vibration sensor SW-420 and Comparator LM393 to detect if there is any vibration that beyond the threshold. The threshold can adjust using an onboard potentiometer. When this no vibration, this module output logic LOW the signal indicates LED light, and vice versa.

If the module does not vibrate, the vibration switch was closed on state, the output of low output, the green indicator light. The product vibrates, vibration switches momentary disconnect, the output is driven high, the green light does not shine.

The output can be directly connected to the microcontroller, which to detect high and low level, so as to detect whether the environment exists vibration, play a role in the alarm.

It is useful for a variety of shocks triggering, theft alarm, smart car, an earthquake alarm, motorcycle alarm.

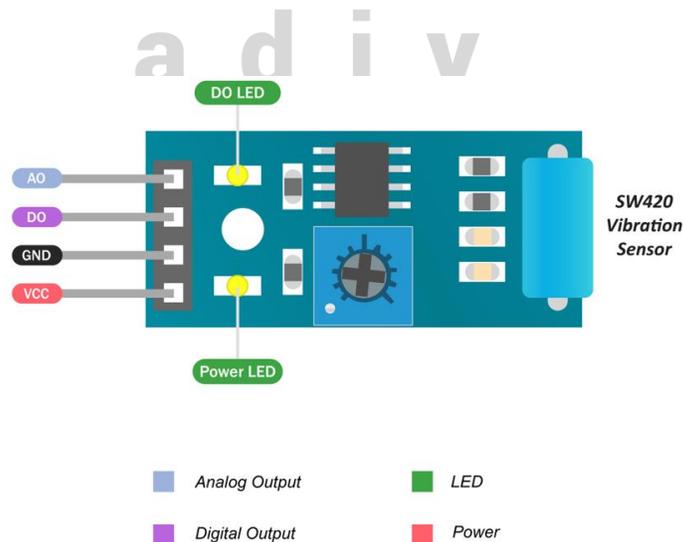
Features:

1. Easy to use with a microcontroller or even with normal digital/analog IC
2. based on SW-420 normally open closed type vibration sensor
3. Onboard LED to indicate power and output
4. Uses a wide voltage LM393 voltage comparator IC
5. Onboard potentiometer to adjust the threshold
6. Compact size

Specification:

- Operating Voltage: 3.3 to 5 V
- Using SW-420 normally closed type vibration sensor
- Comparator output, clean signal, good waveform, strong driving ability, >15mA
- Output format: digital switching output (0 and 1) and analog output
- Using a wide voltage LM393 comparator
- With bolt holes for easy installation
- Threshold : adjustable
- Output type : digital and analog

Pin Configuration:



VCC: 5V Power supply

GND: Ground

DO: Digital Output

AO: Analog Output

Application:

- Shocks triggering
- Theft alarm
- Smart car
- Home security system
- DIY projects

