VIBRATION SWITCH MODULE

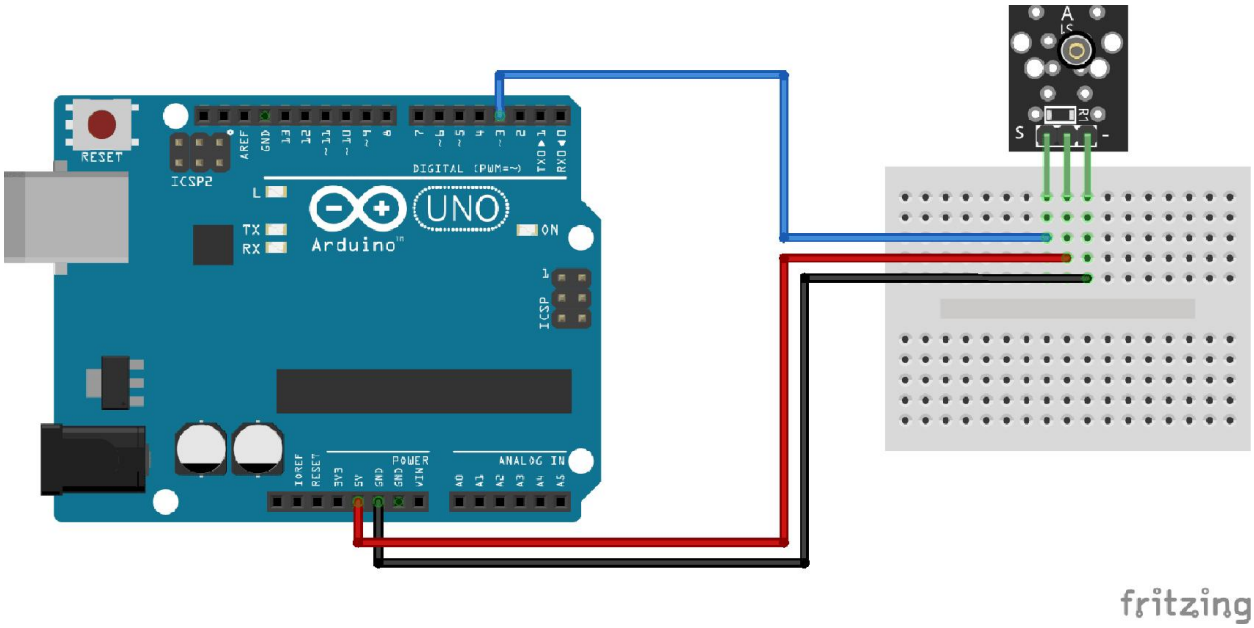
SPECIFICATIONS

The KY-002 Vibration Switch Module consists of a conductive vibration spring and a 10k resistor, it will react to shock and vibration by closing the circuit.

Operating Voltage	5v
Dimensions	18.5mm x 15mm [0.728in x 0.591in]

Connection Diagram

Connect the Power line (middle) and ground (-) to +5 and GND respectively. Connect signal (S) to pin 3 on the Arduino.



Example Code

The following Arduino sketch produces a shock flasher. Pin 13 (LED) on the Arduino will flash when KY-002 detects movement. Pin 3 is used as input from KY-002.

```
int Led = 13; // define the LED Pin
int shock = 3 // define the sensor Pin
int val; // define a numeric variable val

void setup () {
        pinMode (Led, OUTPUT); // LED pin as output
        pinMode (shock, INPUT); // input from KY-002 sensor
}

void loop () {
        val = digitalRead (shock); // read the value from KY-002
        if (val == HIGH ) {// when sensor detects shock, LED flashes
                digitalWrite(Led, LOW);
        } else {
                digitalWrite (Led, HIGH);
        }
}
```