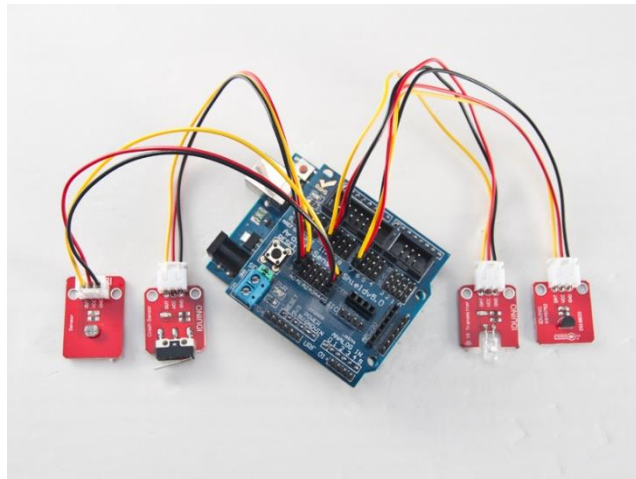


Easy Vibration Shock module(SE025)



1 Introduction

This module is a shock switch module, and if it can detect a jolt, it outputs a low level signal. It's similar to the Vibration Shock module (SE053), the difference is that this module has one indicator light, which would be on when this module's voltage signal is changed. And, this module has an integrated 3-pin terminal, which can be simply and tidily connected with an Arduino sensor expansion board, like the following picture:



Specification

- Operation voltage: 5V
- With 3-Pin Jumper
- Size: 25*15mm
- Weight: 6g

2 Pinout

Pin	Description
OUT	If the sensor detects a jolt, this pin outputs a low level signal
VCC	Power

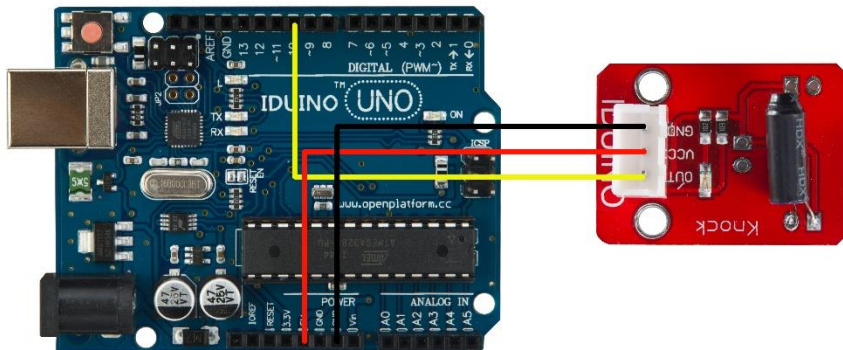
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GND

Ground

3.Example

This example show you how to use this module, connection as below, and upload the sketch, open the serial monitor session, see how it will go~



Example code :

*****Code begin*****

```
int shockPin = 10; // Use Pin 10 as our Input
int shockVal = HIGH; // This is where we record our shock measurement
boolean bAlarm = false;

unsigned long lastShockTime; // Record the time that we measured a shock

int shockAlarmTime = 250; // Number of milli seconds to keep the shock
alarm high
void setup ()
{
  Serial.begin(9600);
  pinMode (shockPin, INPUT) ; // input from the KY-002
}
void loop ()
```

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```
{
  shockVal = digitalRead (shockPin) ; // read the value from our sensor

  if (shockVal == LOW) // If we're in an alarm state
  {
    lastShockTime = millis(); // record the time of the shock

    if (!bAlarm){
      Serial.println("IDUINO Shock module");
      bAlarm = true;
    }
  }
  else
  {
    if( (millis()-lastShockTime) > shockAlarmTime && bAlarm){
      Serial.println("no alarm");
      bAlarm = false;
    }
  }
}
*****Code End*****
```