Tilt Switch module

DESCRIPTION:

This module is a tilt switch module, and if it is tilted towards right side ,it output one High level signal. Be similar with our most sensor, It has three pin: Power pin, Ground pin and signal switch pin. That's an interesting function to your Arduino project.

Specification:

- Operation voltage: 5V
- 3Pin
- Size:24.5*15.5mm
- Weight: 1.350g

PIN CONFIGURATION:

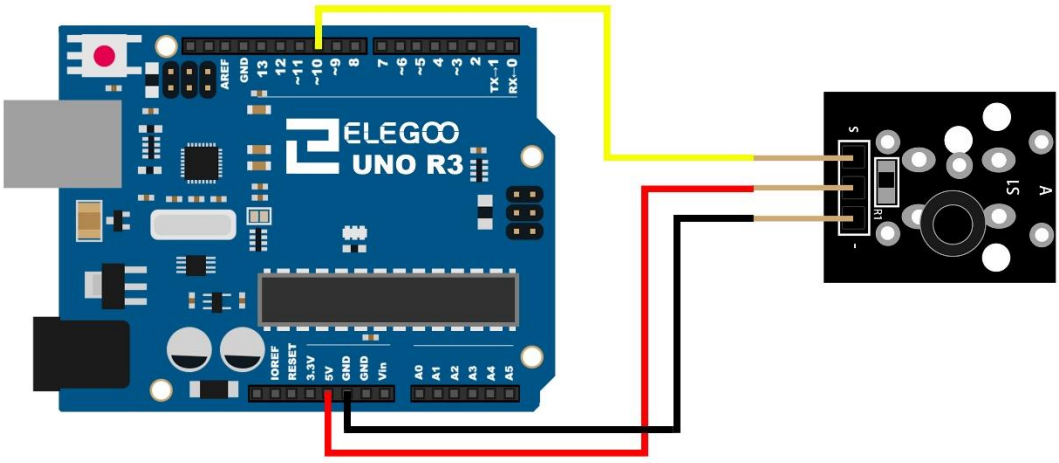
1、 “S”: Signal pin

2、 “+” : +5V

3、 “-”: GND

Example:

This example show you how to use this module, connection as below, and upload the sketch, rotate this module, see what will be happen.



Code:

```
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) ;
```

```
}
void loop ()
{
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("Shock module");
      bAlarm = true;
    }
      else
{
    if( (millis()-lastShockTime) > shockAlarmTime && bAlarm)
    { Serial.println("no alarm");
        bAlarm = false;
          }
      }
}
```