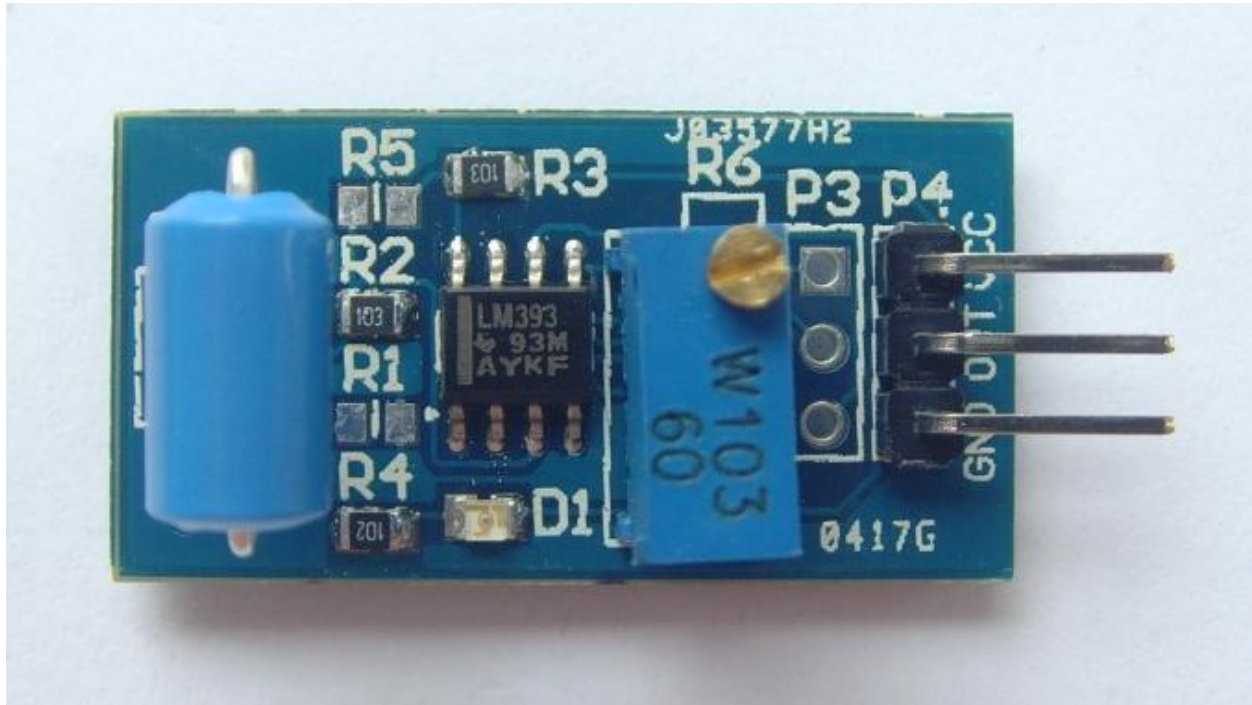


TILT SENSOR MODULE



Description

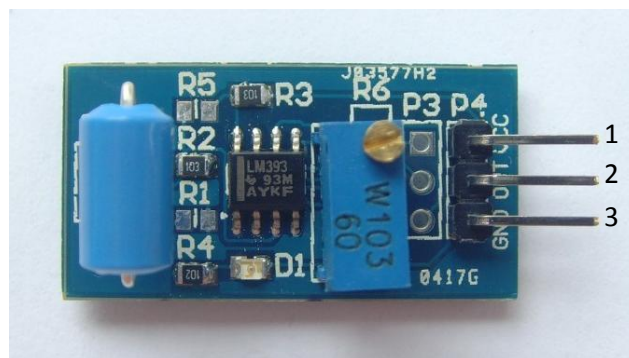
The tilt sensor is a component that can detect the tilting of an object. However it is only the equivalent to a pushbutton activated through a different physical mechanism. This type of sensor is the environmental-friendly version of a mercury-switch. It contains a metallic ball inside that will commute the two pins of the device from on to off and vice versa if the sensor reaches a certain angle.

Specifications

- On-board LM393 voltage comparator chip and photo activity sensing probe
- Support 5V/3.3V voltage input

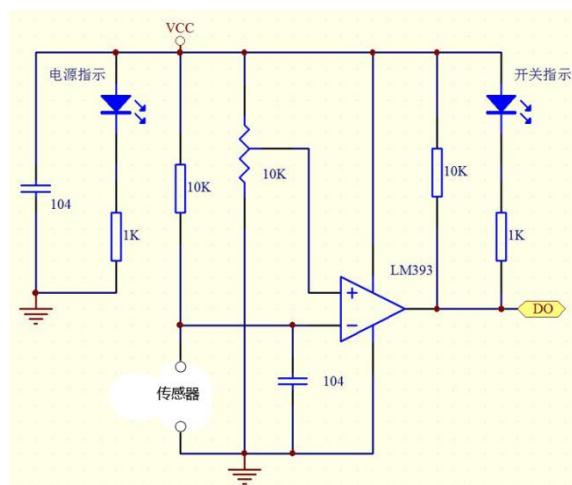
- On-board signal output instructions, output the effective signal is low level, at the same time indicator light off
- Output signal can directly connect with the microcontroller IO
- The sensitivity of the signal detection can be adjusted
- Reserve a line voltage to compare circuit (P3 has been leaded out)
- PCB size: 30(mm) x15(mm)

Pin Configuration

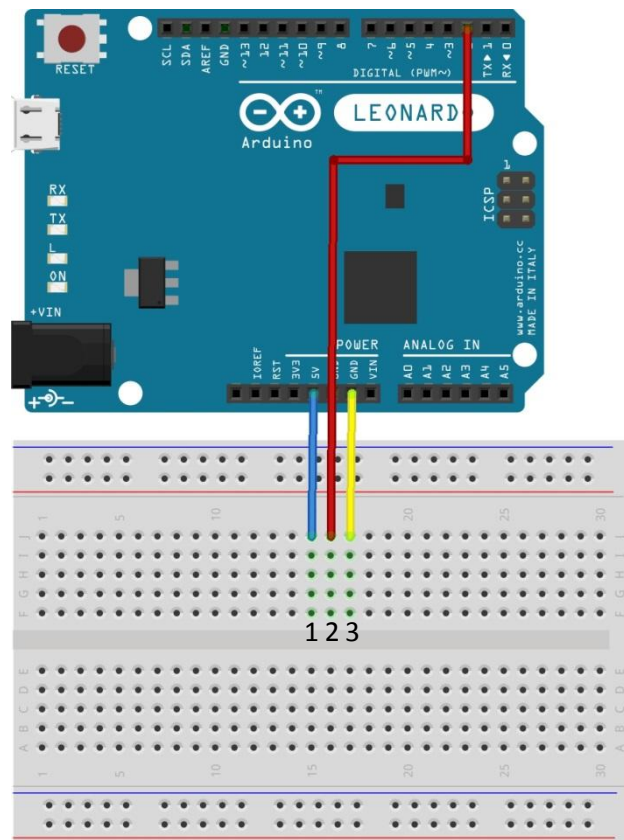


1. VCC: 3.3V / 5V DC
2. OUT: high/low output
3. GND: ground

Schematic Diagram



Wiring Diagram



Sample Sketch

```
void setup(){
  pinMode(2, INPUT);
  pinMode(13, OUTPUT);
  Serial.begin(9600);
}

void loop(){
  if(digitalRead(2) == HIGH){
    digitalWrite(13, HIGH);
    Serial.println("tilted!");
  }
  else{
    digitalWrite(13, LOW);
    Serial.println("not tilted");
  }
  delay(250);
}
```


When the module was tilted:

