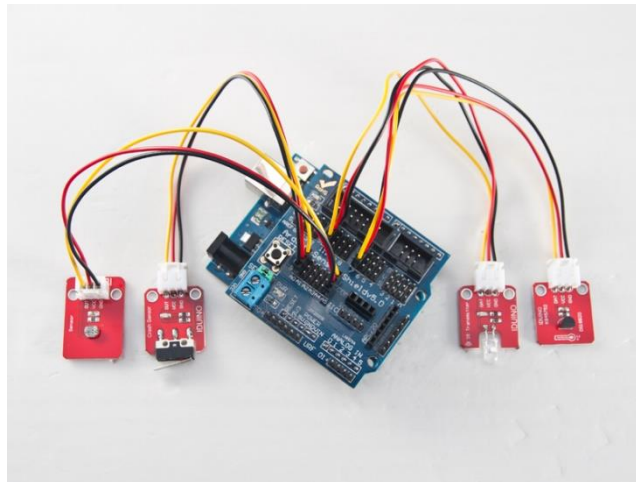


Easy Ball Switch sensor(SE023)



1 Introduction

This module called Ball switch sensor. When this module be tilted, it will output low or high signal for your control. It' similar with the Ball Switch Sensor(SE059), 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 integrated 3-pin terminal, which can be simply and tidily connected with Arduino sensor expansion board, like the following picture:



Specification

- Operation voltage: 5V
- With 3-Pin Jumpers
- Size:25*15mm
- Weight: 4g

2 Pinout

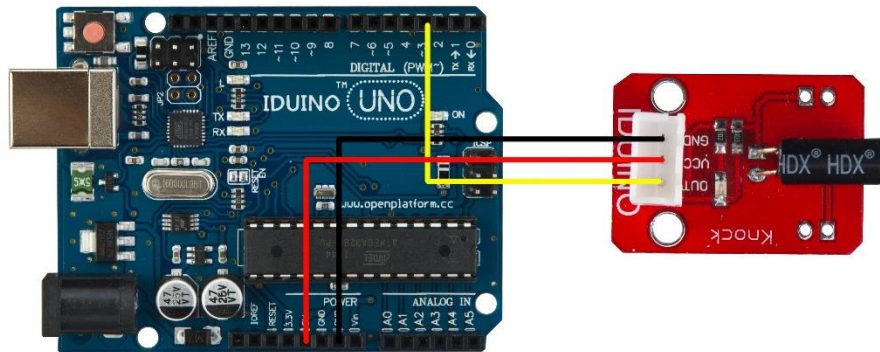
Pin	Description
OUT	If the sensor detect a tilt, this pin output low or high level signal

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Vcc	Power
Gnd	Ground

3.Example

In this example, you need connect a LED to pin13 to see when this module be rotated, what will happen.



*****Code Begin*****

```
int Led = 13 ;// define LED Interface
int buttonpin = 3; // define the tilt switch sensor interfaces
int val ;// define numeric variables val
void setup ()
{
  pinMode (Led, OUTPUT) ;// define LED as output interface
  pinMode (buttonpin, INPUT) ;//define the output interface tilt switch
  sensor
}
void loop ()
{
  val = digitalRead (buttonpin) ;// digital interface will be assigned a
  value of 3 to read val
  if (val == HIGH) //When the tilt sensor detects a signal when the
  switch, LED flashes
  {
```

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```
digitalWrite (Led, HIGH);  
}  
else  
{  
  digitalWrite (Led, LOW);  
}  
}  
*****Code End*****
```