Touch Sensor(SE061)

1 Introduction

This module is a metal touch sensor, it looks like module7(flame sensor module), has 4 pin, including one analog pin and digital pin, but usually we just use the digital pin. Which can be used to detect whether a human body is touching the metal detector.

Specification

- Operation voltage: 5V
- Both digital and analog output pin
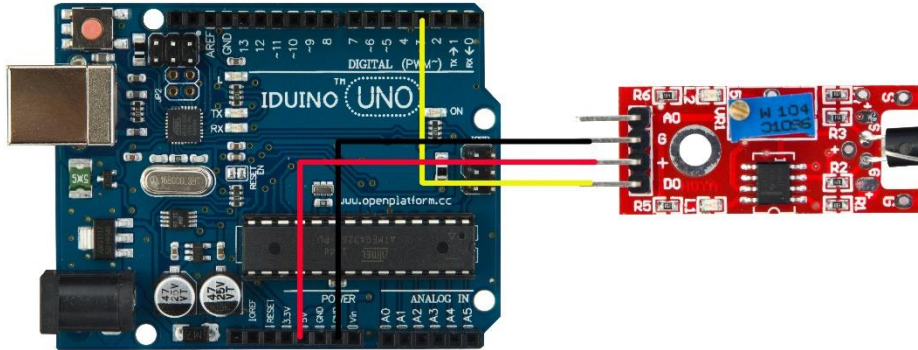- Adjustable sensitive
- Size: 30*15mm
- Weight: 3g

2 Pinout

Pin	Description
A0	Analog output pin, real-time output voltage signal(usually useless)
D0	Digital output pin, output Low or High signal when the human body touch it
+	Power(5V for analog, 3.3V for digital)
G	Ground

3Example

Here is a example show you how to use this module, connection as below. When you touch the metal detector via your finger, the LED13 turns on.

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