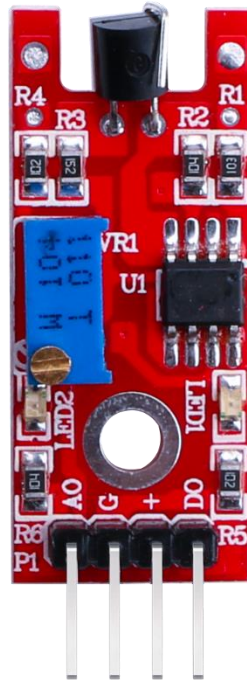# Touch Sensor

DESCRIPTION:

This module is a metal touch sensor, it looks like (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.
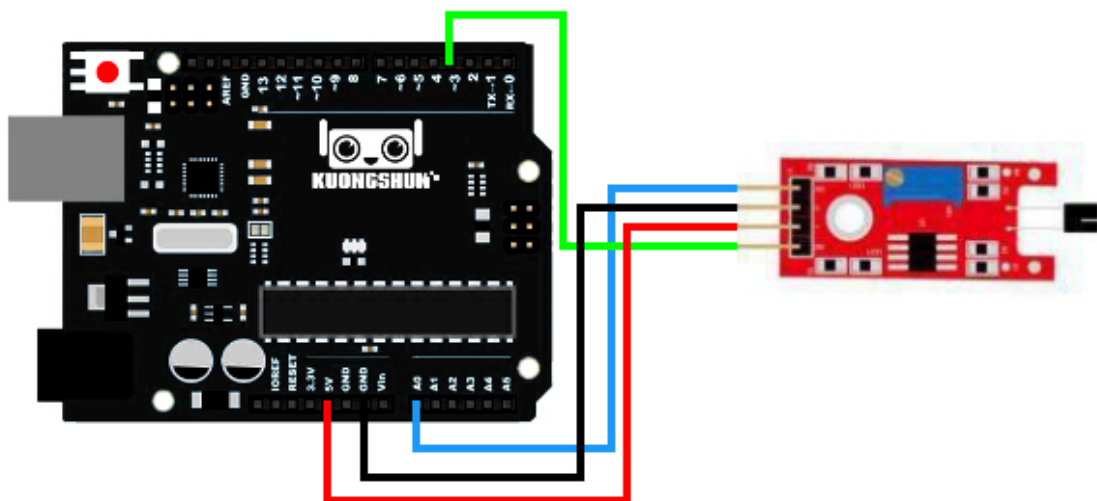

Specification:

- Operation voltage: 5V

- Both digital and analog output pin

- Adjustable sensitive

- Size: 43.5*15.5mm

- Weight: 3.051g

PIN CONFIGURATION:

1、"A0": Analog output pin, real-time output voltagesignal(usually useless)

2、"G":Ground

3、"+":Power(5V/DC)

4、"D0": Digital output pin, output Low or High signalwhen the human body touch it

Example：

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

Code:

```
int Led = 13;// define LED Interface

int Sensor = 3;

int val;// define numeric variables val

void setup ()

{

pinMode (Led, OUTPUT) ;//define LED as output interface
```

```
pinMode (Sensor, INPUT) ;// define metal touch sensor output interface

}


void loop ()

{

val = digitalRead (Sensor) ;//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);

}

}
```