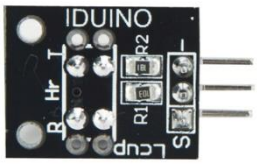
Optical Broken Module(SE056)



1. Introduction

Optical Broken Module , also called photo-interrupter, which is a device that is made up of an infrared led and a photo transistor with a gap between the two of them, When something is placed between the gap the light is cut and the current flow through the photo transistor is reduced or stopped.

Specification

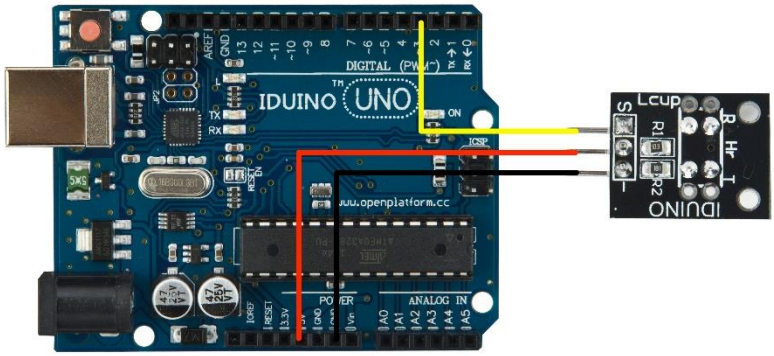
- Operation voltage: 5V
- 3Pin
- Size:28*15mm
- Weight: 2g

2 Pinout

Pin	Description
S	Digital signal input pin, if it detect a shelter, it output High level.
+(middle pin)	Power
-	Ground

3.Example

In this example, connect the circuit as below, upload the sketch, then put something between this module, the LED13 will light on.



Example code :

******Code begin******

```
int Led=13;
int buttonpin=3;
int val;
void setup()
{
pinMode(Led,OUTPUT);
pinMode(buttonpin,INPUT);
}
void loop()
{
val=digitalRead(buttonpin);
if(val==HIGH)
{
digitalWrite(Led,HIGH);
}
else
{
digitalWrite(Led,LOW);
}
}
```

******Code End******