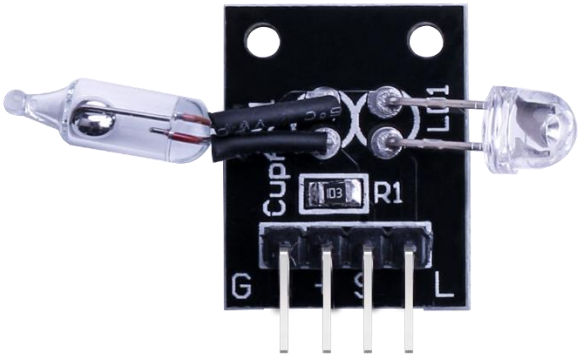
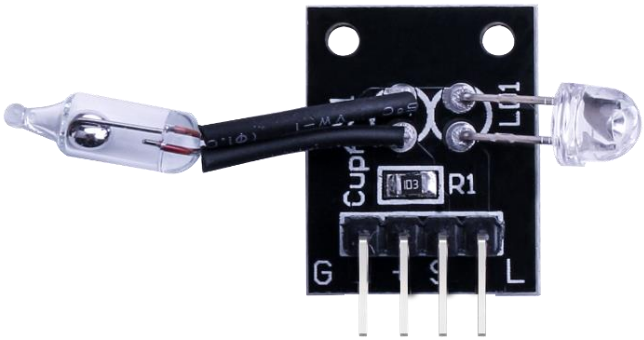
Switch light module

DESCRIPTION:

This module contains two function, one is ball switch, the other is red led. Basing on these two function, we can make a project like a magic.





Specification：

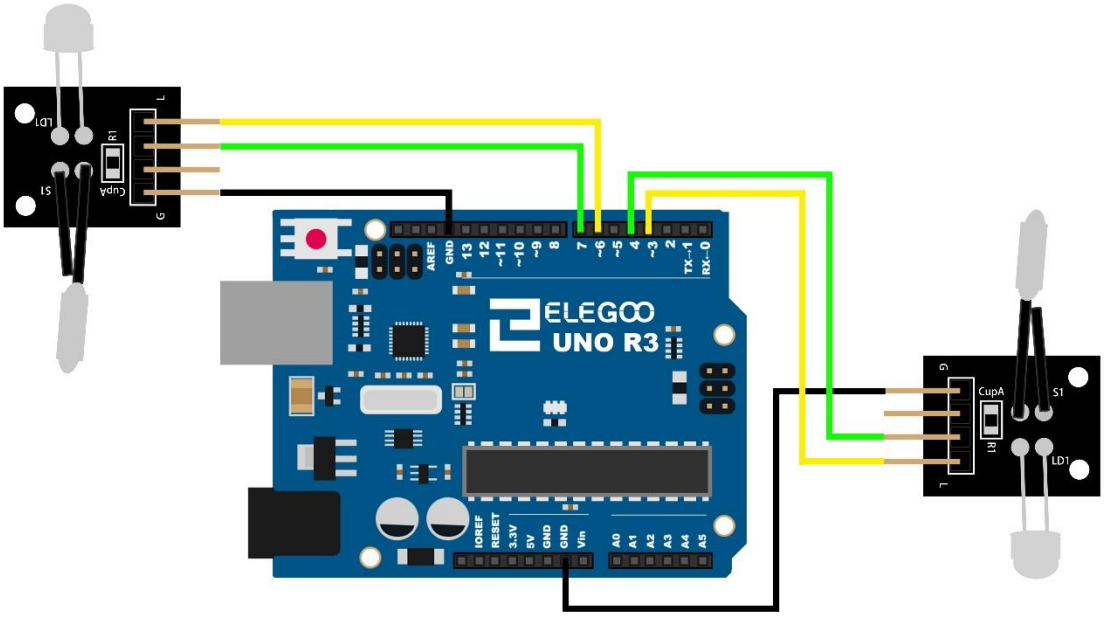
- Operation voltage: 5V
- 4Pin
- Size: 22.5*15.5mm
- Weight: 1.759g

PIN CONFIGURATION:

1、 “G”: GND
2、 “+” : +5V
3、 “S” : Signal output pin
4、 “L”: Input pin for the red led

Example:

This example shows you how to use this module, connection as below, and upload the sketch, see how it will go.



Code:

```
int LedPinA = 3;

int LedPinB = 6;

int ButtonPinA = 4;

int ButtonPinB = 7;

int buttonStateA = 0;

int buttonStateB = 0;

int brightness = 0;
```

```
void setup ()
{
pinMode (LedPinA, OUTPUT);
pinMode (LedPinB, OUTPUT);
pinMode (ButtonPinA, INPUT);
pinMode (ButtonPinB, INPUT);
}
void loop ()
{
buttonStateA = digitalRead (ButtonPinA);
if (buttonStateA == LOW &&brightness!= 255)
{
brightness=brightness+5;
}
analogWrite (LedPinA, brightness);
analogWrite (LedPinB, 255-brightness);
delay (200);
buttonStateB = digitalRead (ButtonPinB);
if (buttonStateB == LOW &&brightness>= 255)
{
brightness=0;
analogWrite (LedPinA, brightness);
analogWrite (LedPinB, 255-brightness);
delay (1000);
}
}
```