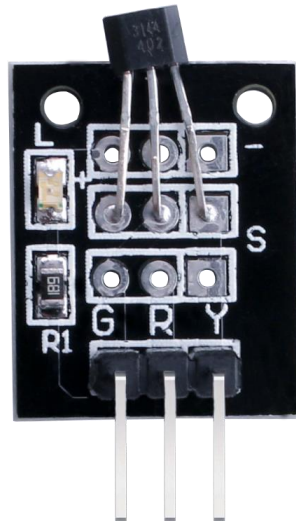


Class Hall Magnetic Sensor

DESCRIPTION:

This module is Digital hall sensor module, it can output a digital voltage at the signal pin of this module.



Specification:

- Operation voltage: 5V
- 3Pin
- Size: 27*15.5mm
- Weight: 1.250g

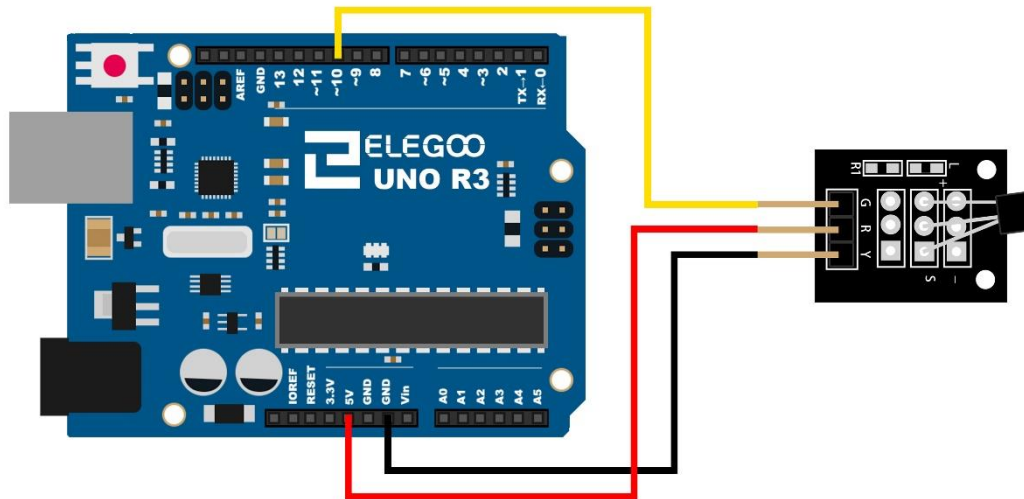
PIN CONFIGURATION:

- 1、 “S”: Digital signal output pin
- 2、 “G” : GND
- 3、 “R” :Power(5V/DC)

Example:

In this example, If no magnetic field is present, the signal line of the sensor is HIGH. If a magnetic field is presented to the sensor, the signal line goes LOW, at the same time the LED on the sensor lights up.

The connection as below:



Code:

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

int SENSOR = 10 ; // define the Hall magnetic sensor interface

int val ; // define numeric variables val

void setup ()

{

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

pinMode (SENSOR, INPUT) ; // define the Hall magnetic sensor line as

input

}
```

```
void loop ()  
  
{  
  
  val = digitalRead (SENSOR) ; // read sensor line  
  
  if (val == LOW) // when the Hall sensor detects a magnetic field, Arduino  
  LED lights up  
  {  
    digitalWrite (Led,HIGH);  
  }  
  {  
    digitalWrite (Led,LOW);  
  }  
}
```