

## Introduction of Potentiometer module

### 1. Working principle

The potentiometer (adjustable resistor), it has three terminals, and its resistance can be adjusted according to a certain change rule.

Potentiometers are usually made up of resistors and rotating or sliding systems. This potentiometer, the analog value of the OUT pin output is 0~1023.

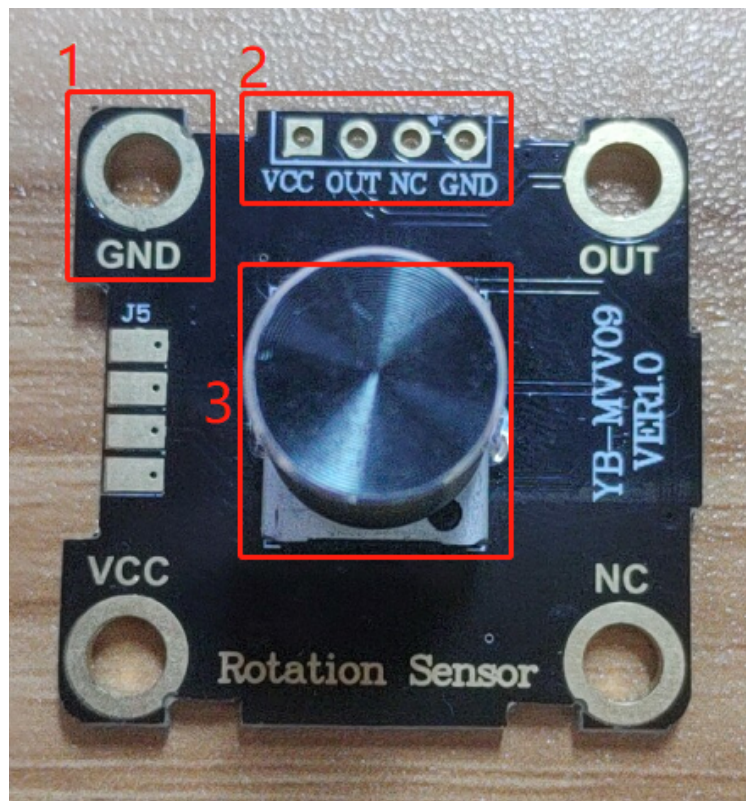
### 2. Practical application

2.1 As a voltage divider.

2.2 As a varistor.

2.3 Adjust the brightness of the light, adjust the knob to control the brightness of the RGB light.

### 3. About module



3.1 Potentiometer module possess 4 Alligator clip port, Corresponding to GND, VCC, NC and OUT. The OUT pin is the signal output pin of the button module.

3.2 4 pin holes are reserved, which can be used after welding.

3.3 Adjustable knob, rotate clockwise, the smaller the value of OUT output, rotate counterclockwise, the larger the value of OUT output.

**3.4 Working Voltage: 3.3V/5V**