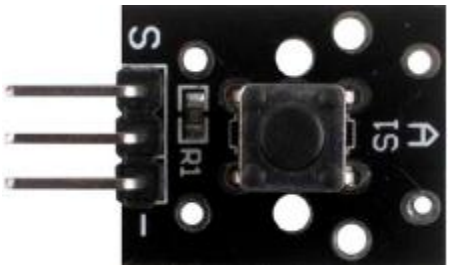
Button Experiment

Overview

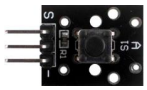


This lesson will teach you how to use Button module, which is simple and easy to use.

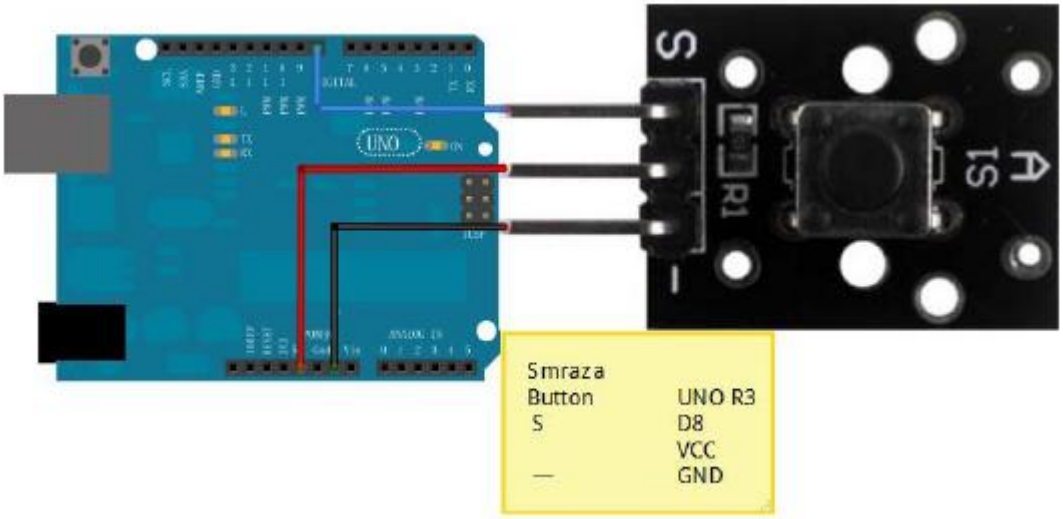
Pin definition

UNO R3	Button
D8	S
5V	
GND	"-"

Hardware required

Material diagram	Material name	Number
	Button	1
	UNO R3	1
	USB Cable	1
	Male to Female Jumper wires	several

Connection diagram

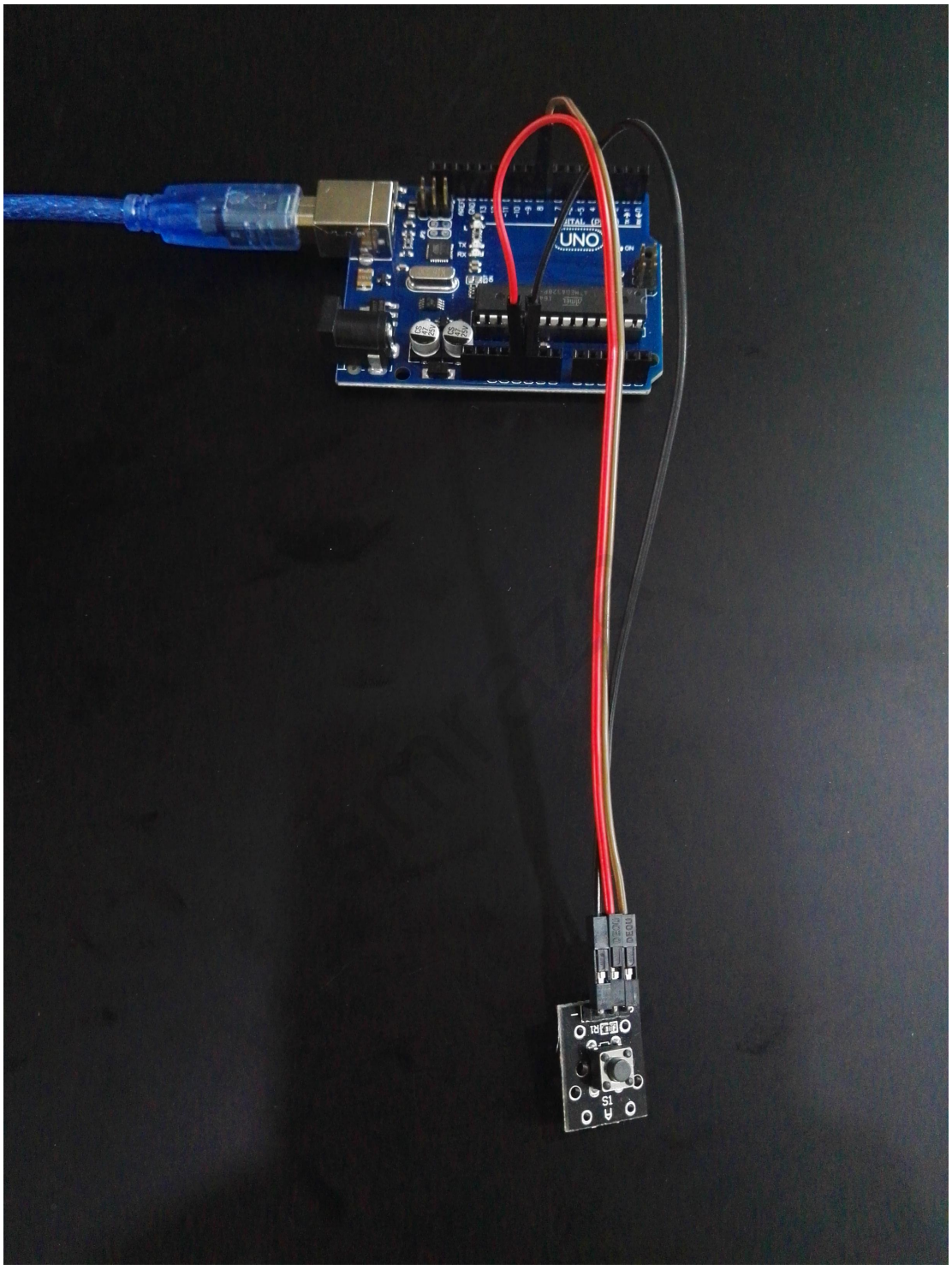


Sample code

Note: sample code under the **Sample code** folder.

```
const int SensorPin = 8;
int Data=0;
void setup()
{
    pinMode (SensorPin,INPUT);
    Serial.begin(9600);
}
void loop()
{
    Data=digitalRead(SensorPin);
    Serial.print("Data=");
    if(Data==HIGH)
    {
        Serial.println("Close");
    }
    else
    {
        Serial.println("Open");
    }
    delay(300);
}
```

Example picture



Language reference

Tips：Click on the following name to jump to the web page.
If you fail to open, use the Adobe reader to open this document.

pinMode()

digitalRead()

Serial

Application effect

Open the serial port monitor, and press the button, you will see some different values by return.

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