

# Ball Switch Experiment

## Overview







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

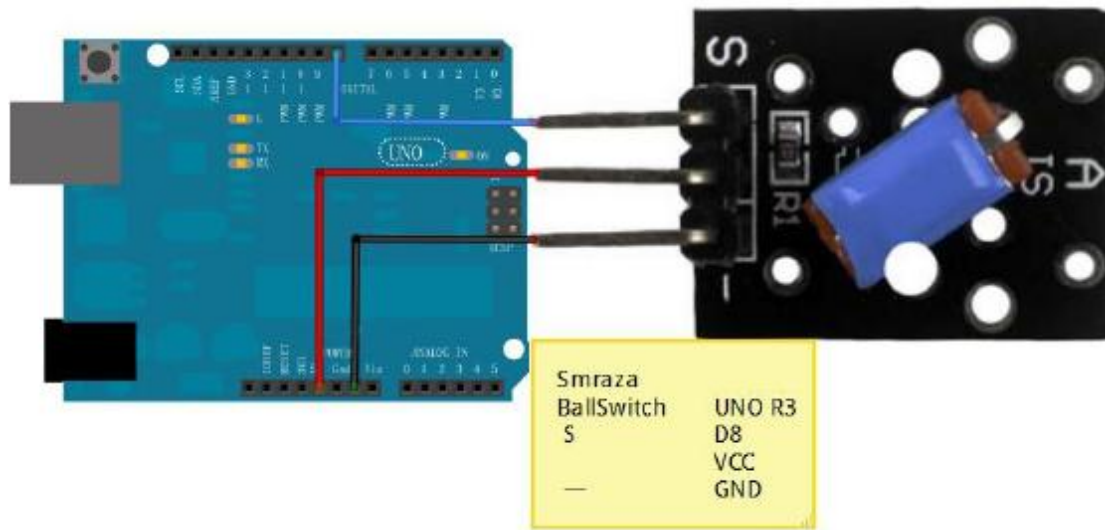
## Pin definition

UNO R3	Ball Switch
D8	S
5V	
GND	"_"

## Hardware required

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

## Connection diagram

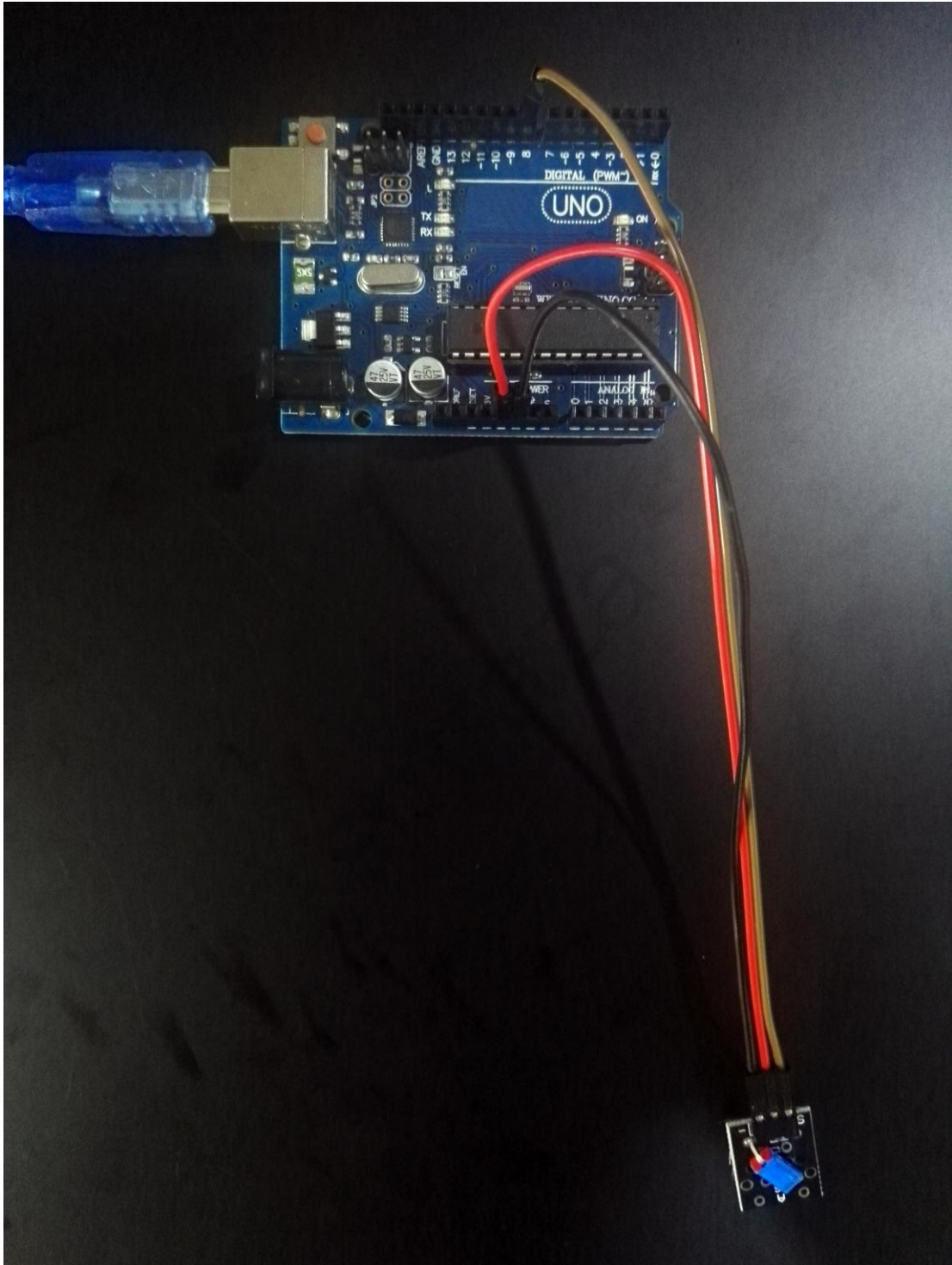


## Sample code

**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 shaking the Tilt Switch, you will see some different values by return.

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\* Official website: <http://www.smraza.com/>

\* We have a professional engineering team dedicated to providing tutorials and support to help you get started.

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