Flame Experiment

Overview

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

Pin definition

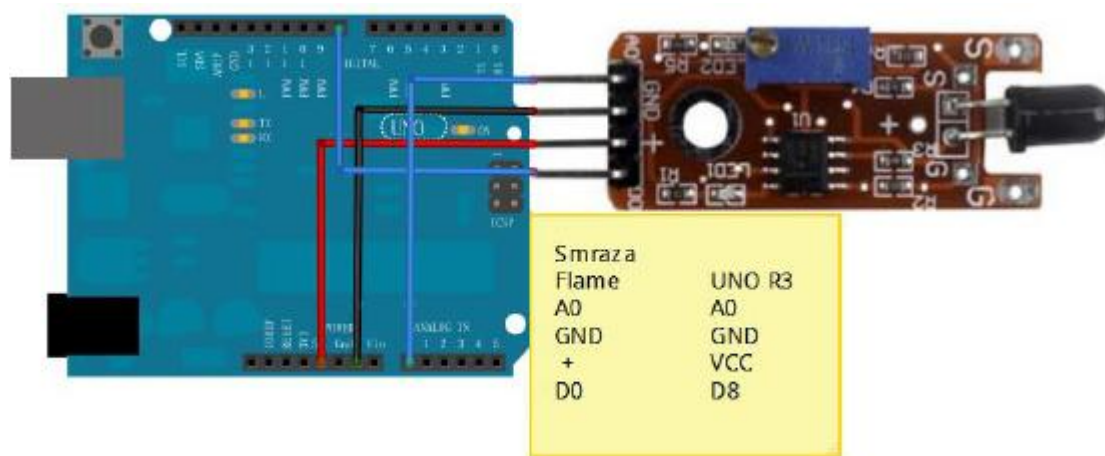| UNO R3	Flame
A0	A0
GND	GND
5V	+
D8	D0

Hardware required

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

Connection diagram


```
Smraza
Flame          UNO R3
A0             A0
GND            GND
+              VCC
D0             D8
```
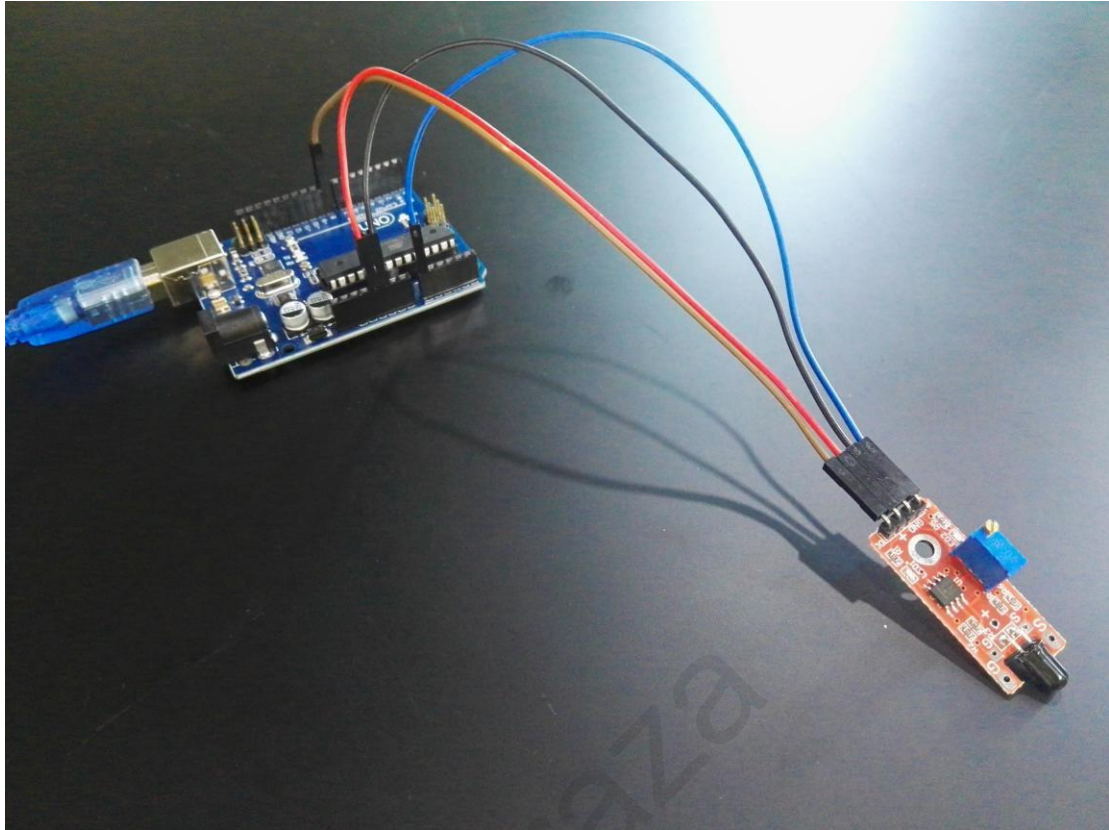
Sample code

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

```arduino
int analog_sensor = A0; // select the input pin for the potentiometer
int digit_sensor = 8; // select the input pin for the potentiometer
int analogValue ; // value from the analog input pin
int digitValue ; // value from the digit input pin
void setup ()
{
    pinMode (digit_sensor, INPUT);
    Serial.begin (9600);
}
void loop ()
{
    analogValue = analogRead (analog_sensor);
    digitValue=digitalRead(digit_sensor);
    Serial.print("analogValue=");
    Serial.print(analogValue);
    Serial.print('\t');
    Serial.print("digitValue=");
    Serial.println (digitValue);
    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()
analogRead()
Serial

Application effect

Open the serial port monitor, and using the flame of the lighter to close to the flame sensor, you will see some different values by return.

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* About Smraza:
* We are a leading manufacturer of electronic components for Arduino and Raspberry Pi.
* Official website: http://www.smraza.com/
* We have a professional engineering team dedicated to providing tutorials and support to help you get started.
* If you have any technical questions, please feel free to contact our support staff via email at support@smraza.com
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