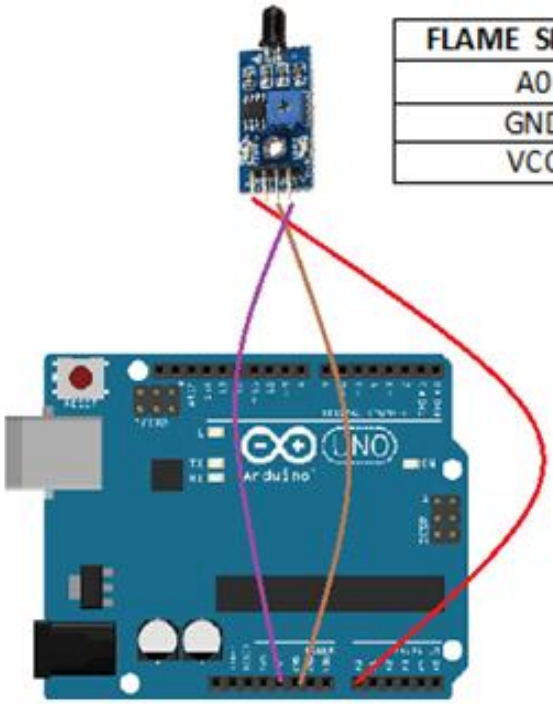
SYNACORP TRADING & SERVICES
No.9, 1st Floor, Lrg 1/SS2, Bandar Tasek Mutiara, 14120 Simpang Ampat, S.Prai (S), Penang
Tel : +604.504.1617 Hunting Line : 012.4033.474 Fax : +604.502.1726
(Website) http://www.synacorp.my (Email) sales@synacorp.com.my

Application: Flame Sensor Module for Arduino

COMPONENT NEEDED:

- Flame Sensor Module for Arduino
- Arduino UNO
- USB Cable
- Male to male jumper wire

CONNECTION:

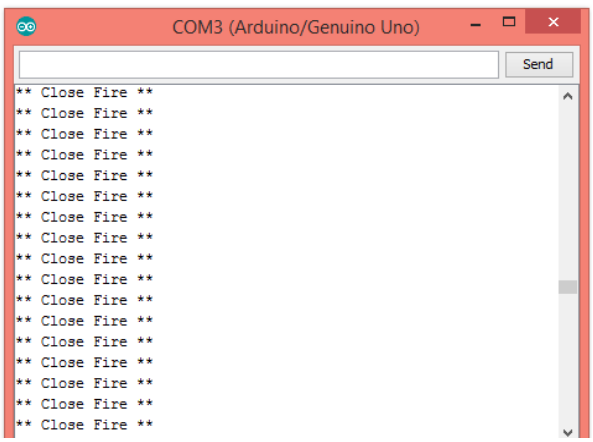


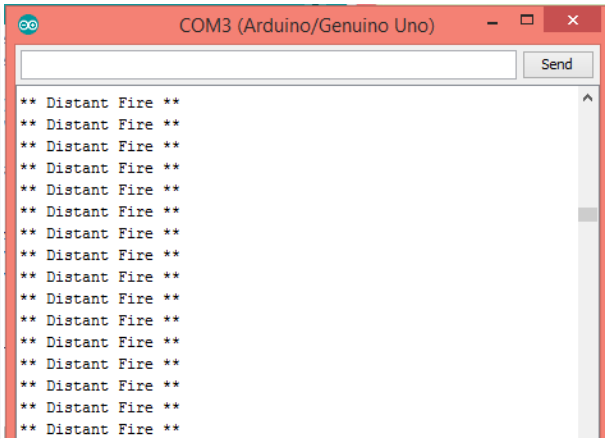
FLAME SENSOR	ARDUINO
A0	A0
GND	GND
VCC	5V

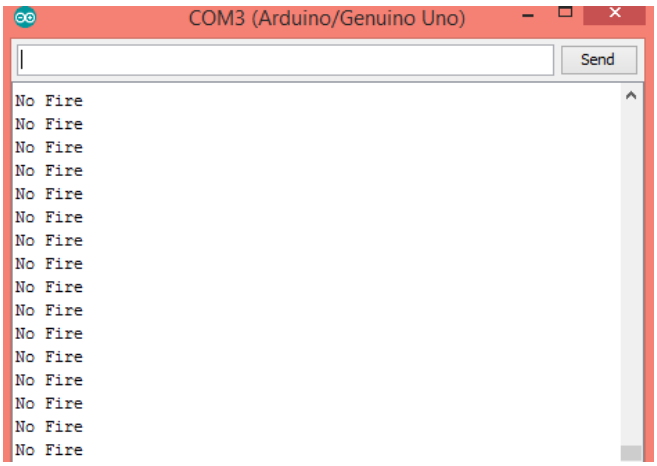
1. Connect the circuit as shown in figure above.
2. Connect your Arduino UNO to Arduino IDE.
3. Open your Arduino IDE.
4. Select the right board type and COM port.
5. Upload the sketch. You can get the sketch from *Application1_Sketch.*
6. Open the serial monitor to view the output and result.

***Note:** To test the Flame Sensor and ensure that it is working correctly connect the VCC to a 5v power source and GND. Move a flame source within a foot of the front of the sensor and the D0-LED should light up.*

RESULT:







CONCLUSION:

- If holding a flame within 1.0 feet in front of the sensor; **case 0** will be activated and " ***** Close Fire ***** " will be sent to the serial monitor.
- If holding a flame between 1.0 feet and 3 feet in front of the sensor; **case 1** will be activated and **"***Distant Fire***"** will be sent to the serial monitor.
- If no flame is detected in front of the sensor; **case 2** will be activated and **"*No Fire*"** will be sent to the serial monitor.