

Fire Detection Alarm

Detects fire or high temperature and activates an alarm.

Components:

- Arduino UNO
- Flame sensor
- Buzzer

Code will be uploaded using Arduino IDE.

Connections:

- Flame sensor to D4
- Buzzer to D9

Thank you!

Arduino Code:

```
int flamePin = 4;
int buzzer = 9;

void setup() {
  pinMode(flamePin, INPUT);
  pinMode(buzzer, OUTPUT);
  Serial.begin(9600);
}

void loop() {
  int fire = digitalRead(flamePin);
  if (fire == LOW) {
    digitalWrite(buzzer, HIGH);
    Serial.println("Fire detected!");
  } else {
    digitalWrite(buzzer, LOW);
    Serial.println("Safe.");
  }
}
```

```
    delay(1000);  
}
```