

Thonny - Raspberry Pi Pico :: fire.py @ 31:49

```
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[Icons] [Python] [MicroPython] [Raspberry Pi Pico] [Main Loop] [Main Loop] [Main Loop]
Files
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    lib
    fire.py
    gasensor.py
    main.py
    oled.py
    sh1106.py
    ssd1306.py

[ssd1306.py] [fire.py] [main.py]
19 time.sleep(4)
20
21 # === Main Loop ===
22 while True:
23     if flame_sensor.value() == 0: # LOW means fire detected
24         buzzer.value(0) # Buzzer ON
25         oled.fill(0)
26         oled.text("🔥 FIRE ALERT!", 0, 20)
27         oled.show()
28         print("FIRE ALERT!")
29         print(flame_sensor.value())
30     else:
31         buzzer.value(1) # Buzzer OFF
32         oled.fill(0)
33         oled.text("SAFE", 40, 20)
34         oled.show()
35         print("SAFE")
36         print(flame_sensor.value())
37
38 time.sleep(0.2)
39
40
```

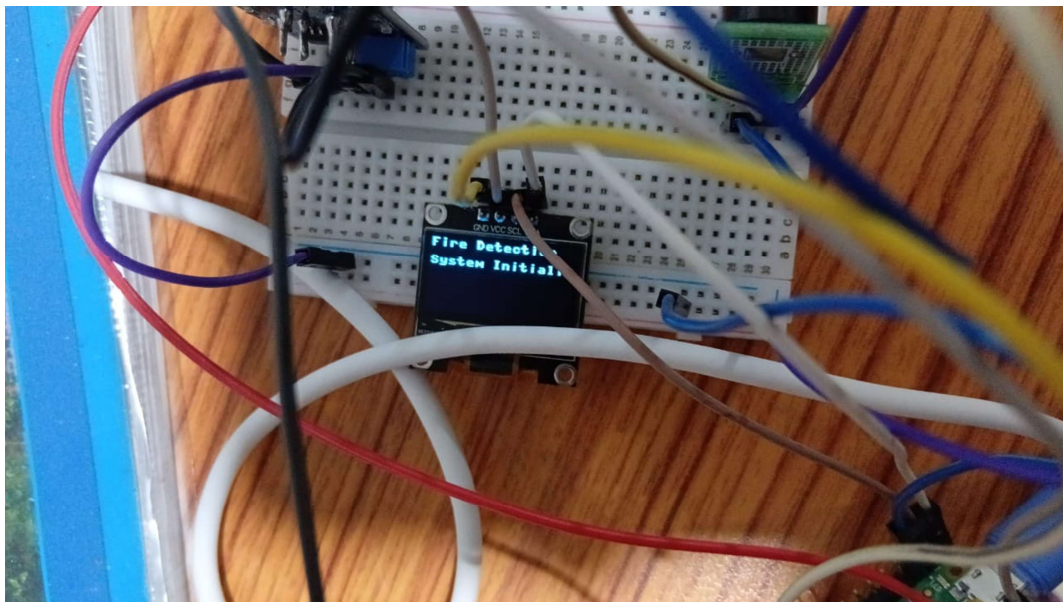
Shell

```
1
SAFE
1
SAFE
1
SAFE
1
SAFE
1
```

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34°C Party safely

13:21 04-09-2025



Thonny - Raspberry Pi Pico 2 / fire.py @ 32:21

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 - from transformers ir
 - main.py
 - project
 - project 2
- Raspberry Pi Pico
 - lib
 - fire.py
 - gasensor.py
 - main.py
 - oled.py
 - sh1106.py
 - ssd1306.py

```
19 time.sleep(4)
20
21 # === Main Loop ===
22 while True:
23     if flame_sensor.value() == 1: # LOW means fire detected
24         buzzer.value(1) # Buzzer ON
25         oled.fill(0)
26         oled.text("🔥 FIRE ALERT!", 0, 20)
27         oled.show()
28         print("FIRE ALERT!")
29         print(flame_sensor.value())
30     else:
31         buzzer.value(0) # Buzzer OFF
32         oled.fill(0)
33         oled.text("SAFE", 40, 20)
34         oled.show()
35         print("SAFE")
36         print(flame_sensor.value())
37
38 time.sleep(0.2)
39
40
```

Shell

```
1
1 FIRE ALERT!
1
1 FIRE ALERT!
1
1 FIRE ALERT!
1
1 FIRE ALERT!
1
```

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34°C Partly sunny 13:18 04-09-2025