

# Sat composteur

## Objectif

surveiller la température du compost.

## Hardware

- micro-contrôleur : ESP32C3 de chez Seeed (seeed\_xiao\_esp32c3)
- 2 sondes de température DS18B20

## Yaml ESPHome

[composteur.yaml](#)

```
substitutions:
  devicename: composteur
  friendly_devicename: Composteur

esphome:
  name: ${devicename}
  friendly_name: ${friendly_devicename}

esp32:
  variant: ESP32C3
  board: seeed_xiao_esp32c3
  framework:
    type: arduino

# Enable logging
logger:
  # level: VERY_VERBOSE

# Enable Home Assistant API
api:
  encryption:
    key: "0987PÉUIÈ!VDLJ"

ota:
  - platform: esphome
    password: "09rstceiupdl09876543ldvop"

wifi:
  ssid: !secret wifi_ssid
```

```
password: !secret wifi_password

# Enable fallback hotspot (captive portal) in case wifi connection fails
ap:
  ssid: "${devicename} Fallback Hotspot"
  password: "09P009546XYP"

captive_portal:

one_wire:
  # D6
  - platform: gpio
    pin: GPIO21
    id: bus_ds18b20_1

  # D7
  - platform: gpio
    pin: GPIO20
    id: bus_ds18b20_2

sensor:
  - platform: dallas_temp
    one_wire_id: bus_ds18b20_1
    name: "Température 1 (${devicename})"
    resolution: 12
    update_interval: 60s

  - platform: dallas_temp
    one_wire_id: bus_ds18b20_2
    name: "Température 2 (${devicename})"
    resolution: 12
    update_interval: 60s

  - platform: wifi_signal
    name: "signal WiFi (${devicename})"
    update_interval: 60s

  - platform: uptime
    name: "${devicename} Uptime Sensor"
    id: ${devicename}_uptime_sensor
    update_interval: 60s
    on_raw_value:
      then:
        - text_sensor.template.publish:
            id: ${devicename}_uptime_human
            state: !lambda |-
                int seconds =
round(id(${devicename}_uptime_sensor).raw_state);
                int days = seconds / (24 * 3600);
```

```
seconds = seconds % (24 * 3600);
int hours = seconds / 3600;
seconds = seconds % 3600;
int minutes = seconds / 60;
seconds = seconds % 60;
return (
    (days ? String(days) + "j " : "") +
    (hours ? String(hours) + "h " : "") +
    (minutes ? String(minutes) + "m " : "") +
    (String(seconds) + "s")
).c_str();
```

text\_sensor:

- platform: wifi\_info  
ip\_address:  
name: "adresse IP ({devicename})"  
id: {devicename}\_ip\_address
  
- platform: template  
name: "Uptime ({devicename})"  
id: {devicename}\_uptime\_human  
icon: mdi:clock-start
  
- platform: version  
name: "Version d'ESPHome installée"  
id: {devicename}\_ESPHome\_Version

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