

Gärüberwachung - Blubb-Zähler und Temperatursensor

Hardware

D1 mini Board

<http://www.d1mini.de/>

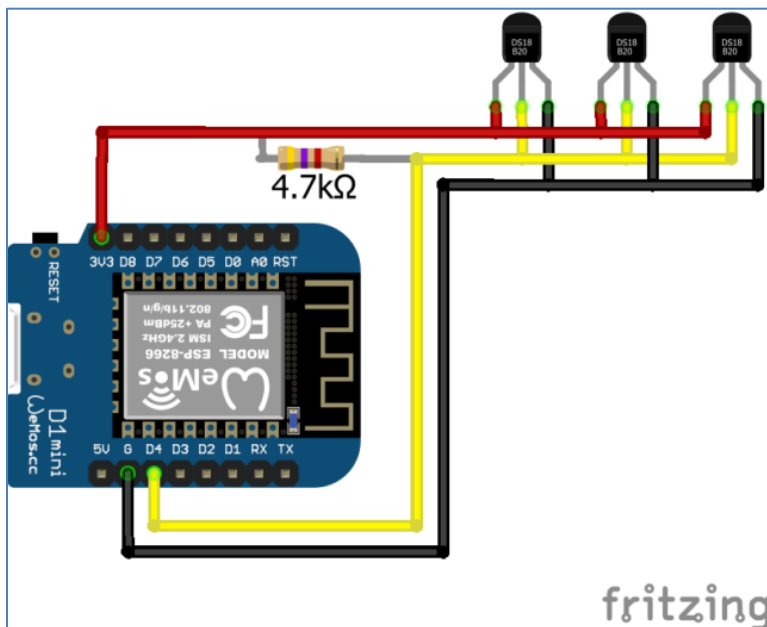
<http://www.d1mini.de/#pin-layout>

Hall Sensor KY-003

Please search for details!

Temperatursensor DS18D20

<https://be-jo.net/2022/04/esphome-temperaturmessung-mit-ds18b20-fuer-home-assistant/>



DerDoc sagt:

[9. Dezember 2022 um 22:53 Uhr](#)

Danke für die Anleitung, aktuelle verwende ich 5 Sensoren an D4 mit 5V Spannung. Der D4 hat ja eh schon einen 10k Ohm Widerstand, da benötigt man keinen 4,7k Ohm Widerstand.

ESPHome

<https://esphome.io/components/sensor/dallas.html>

d1mini.yaml – 24.09.2024

```
substitutions:
  devicename: d1mini
  friendly_devicename: D1 Mini Gärsensor
```

```
esphome:
  name: $devicename
```

Riegelbräu - Home Automation

```
esp8266:
  board:  d1_mini

# Enable logging
logger:

# Enable Home Assistant API
api:
  encryption:
    key: "yourkey"

ota:
  password: "yourpw"

wifi:
  ssid: !secret wifi_ssid
  password: !secret wifi_password

# Enable fallback hotspot (captive portal) in case wifi connection fails
ap:
  ssid: "DlMini Fallback Hotspot"
  password: "yourpw"

mqtt:
  broker: "ds218plus"
  discovery: true

captive_portal:

# Sensor z.B. DS18B20
dallas:
  - pin: GPIO2

sensor:
  # Hall Sensor on D2 or Reed switch between GPIO and GND
  - platform: pulse_counter
    pin:
      number: D2
      inverted: true
      allow_other_uses: true
    mode:
      input: true
      pullup: true
    accuracy_decimals: 0
    name: "Blob Counter GPIO4/D2"
    id: "blob_counter"

  - platform: dallas
    address: 0x1109225452dbde28
    name: "Temperatursensor DS18B20 Kabel"
    accuracy_decimals: 2

#node uptime [s]
- platform: uptime
  name: "Uptime"

- platform: wifi_signal # Reports the WiFi signal strength/RSSI in dB
  name: "WiFi Signal dB"
  id: wifi_signal_db
  update_interval: 60s
  entity_category: "diagnostic"

- platform: copy # Reports the WiFi signal strength in %
  source_id: wifi_signal_db
  name: "WiFi Signal Percent"
  filters:
    - lambda: return min(max(2 * (x + 100.0), 0.0), 100.0);
  unit_of_measurement: "Signal %"
  entity_category: "diagnostic"

binary_sensor:
```

Riegelbräu - Home Automation

```
- platform: gpio
  pin:
    number: D2
    allow_other_uses: true
    mode: INPUT_PULLUP
    inverted: True
  name: "Blob Sensor GPIO4/D2"
  id: "blob_sensor"
  on_press:
    - logger.log: "blubb ..."
  icon: "mdi:magnet-on"
  device_class: light
```

Home Automation

<https://www.openhab.org/>

A openHAB rule calculates Blobs/min to Blobs/h.

GUI

