# supla THW-01 Temperature and Humidity Sensor WiFi User Manual

**supla THW-01 Temperature and Humidity Sensor WiFi User Manual**

**Contents**

## BEFORE GETTING STARTED

## DEVICE FEATURES:

- temperature sensor
- humidity sensor
- high accuracy
- micoUSB cable 1m included
- compact design
- magnetic casing
- crew-on stand included
- microUSB 5 V / DC power supply

## CONTENTS OF THE PACKAGE

- THW-01 device
- power connection cable
- user manual

## WHAT YOU NEED TO GET STARTED:

- USB-A power socket
- application

## WARNING

⚠ The device must be connected to power supply in accordance with applicable electrical and safety standards or regulations. See this User Manual for the wiring instructions. Before connecting, read the user manual and the functions of the device. The THW-01 is designed for indoor installation. During installation, make

sure that the device is not exposed to direct contact with water. Do not open or otherwise disassemble the product enclosure; otherwise the product warranty will be void. The conditions and methods of transport, storage and operation of this product may affect its performance. Do not install the product if any of its components is missing, the product is damaged or deformed in any way. If any malfunctions are found, consult the manufacturer

ZAMEL Sp. z o.o. hereby declares that the type of THW-01 radio device complies with Directive 2014/53/EU. The entire EU declaration of conformity is available at: **www.zamel.com**

 Do not dispose of this device with other waste! In order to avoid harmful effects on the environment and human health, the used device should be stored in designated areas. For this purpose, you can dispose of household waste free of charge and in any quantity to a collection point set up, as well as to the shop when you buy new equipment

## MORE INFORMATION

Additional information and video material You can find by scanning QR code or by using the following link:



**https://supla.zamel.com/en/product/thw-01/**

## TECHNICAL DATA

**THW-01**

- **Rated supply voltage:**

  5 V DC (external power source)
- **Rated power consumption:**

  0.45 W
- **Frequency:**

  50 / 60 Hz
- **Voltage tolerance:**

  -20 % ÷ 15 %
- **Transmission:**

  Wi-Fi 2.4 GHz 802.11 b/g/n
- **Minimum needed power supply**

  5 V DC / 200 mA
- **Transmit power:**

  ERP < 20 mW
- **Optical signalisation of power supply:**

  LED
- **Security class:**

  IP20

- **Number of connection contacts:**

  1 micro USB socket

- **Measured physical volumes:**

  Temperature, humidity

- **Meassurement sensors used:**

  Digital – build-in sensor

- **Installation**

  1. Base – fixed Minimum needed power supply: with screws.
  2. Build-in magnet – possibility to mount ona magnetic base.

- **Operating temperature range:**

  -25°C ÷ +55°C

- **Temperature range:**

  -20°C ÷ +55°C

- **Humidity range:**

  0 ÷ 99%

- **Accuracy of meassurement:**

  Temperature: +/- 0,5°C Humidity: +/- 5%

- Dimensions:

  Ø 50 mm, height: 13 mm (26 mm with base)

- **Weight:**

  Without base: 0.02 kg With base: 0.04 kg

## GETTING STARTED IN 5 STEP

## LET'S GET STARTE

download, install and launch the supla mobile app



**install the app**
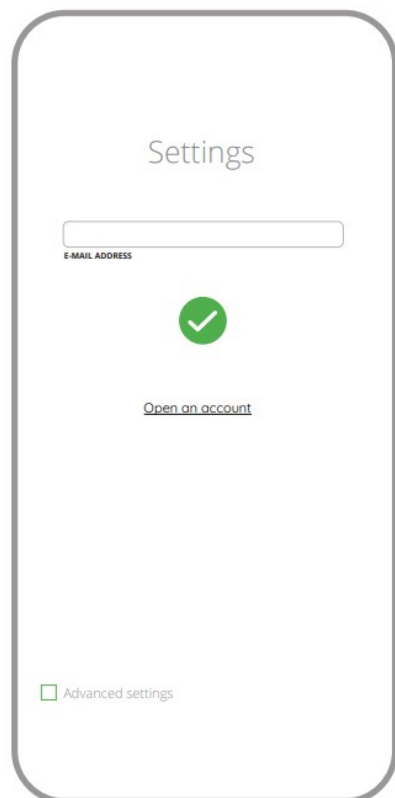
## INSTALL THE SUPLA MOBILE APP

**create an account / log in**

**CREATING A SUPLA ACCOUNT**

**IF YOU DO NOT HAVE AN ACCOUNT**
Create it by tapping "Create Account" in your app.
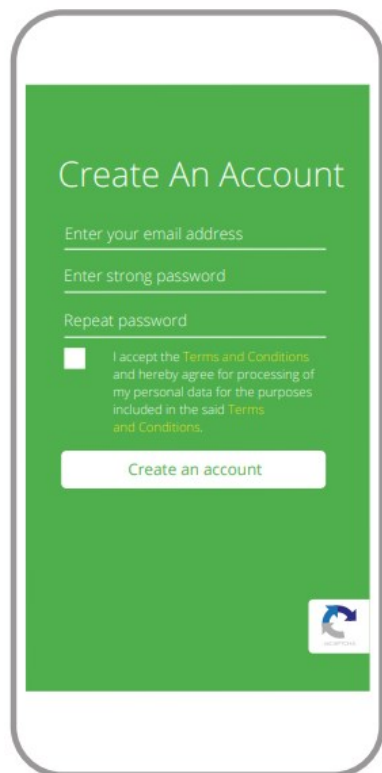


**IF YOU ALREADY HAVE AN ACCOUNT**
Enter the e-mail address which you have used to create the account.

**CREATE AN ACCOUNT**
On this page, enter the following data:
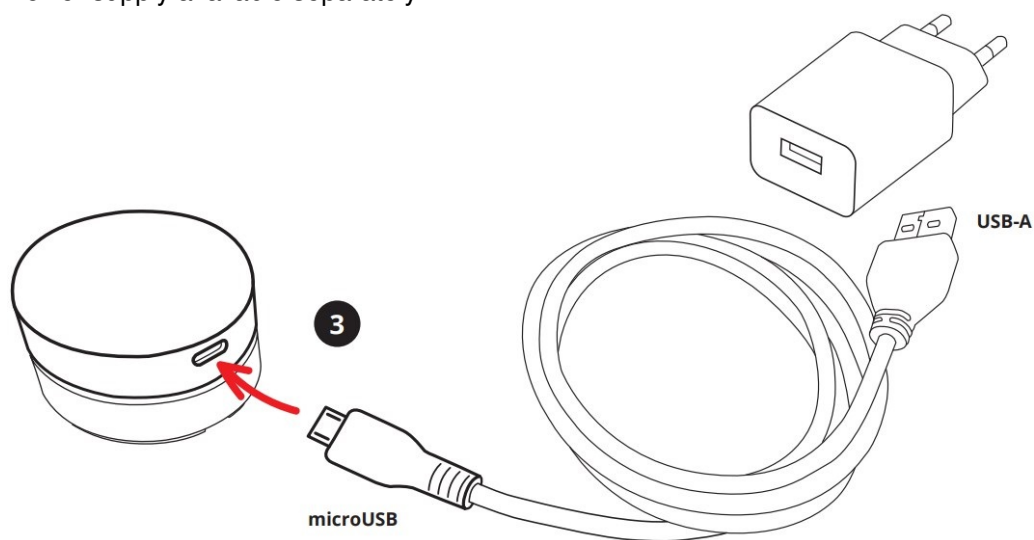
- e-mail address,
- password,
- password confirmation

Confirm all information by tapping "Create an account".



**connect to the power supply**

**WIRING DIAGRAM**

Connect the device THW-01 according to the diagram below.
Power supply available separately



**add the device**
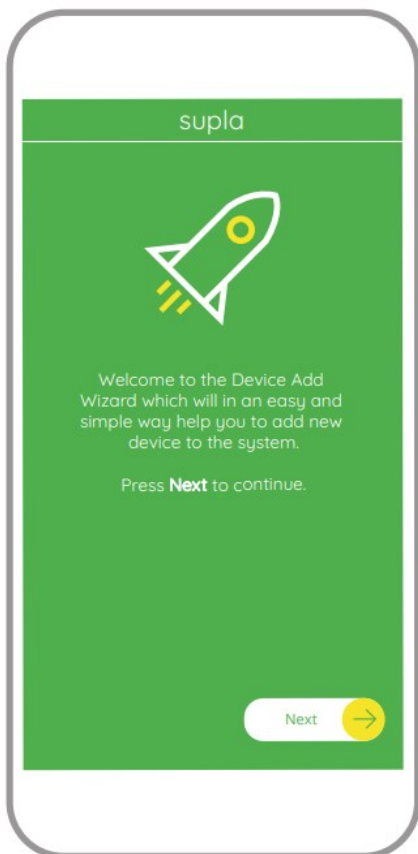
**ADDING THE DEVICE AUTOMATICALLY**

**OPEN THE APP**
Then select "Add device" from the menu

## STARTING THE WIZARD

The Add Device Wizard will appear. To continue, press the "Next" button.



## CONNECTING THE DEVICE

Wire the power supply to the device as shown in the diagram. Make sure that the device STATUS LED responds as shown in the animation on screen. If it does not, switch the device into the configuration mode by holding the CONFIG button on the device. Next, press the START button.
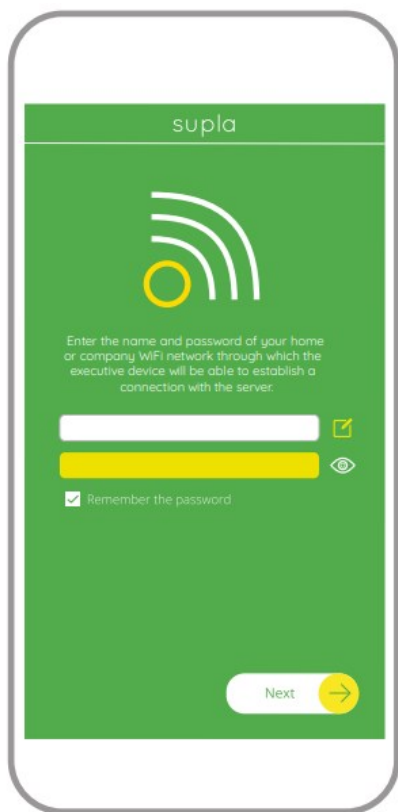
## NETWORK PASSWORD

Choose a Wi-Fi network to enable Internet connectivity for the device. Enter the network password and tap "Next" to continue.
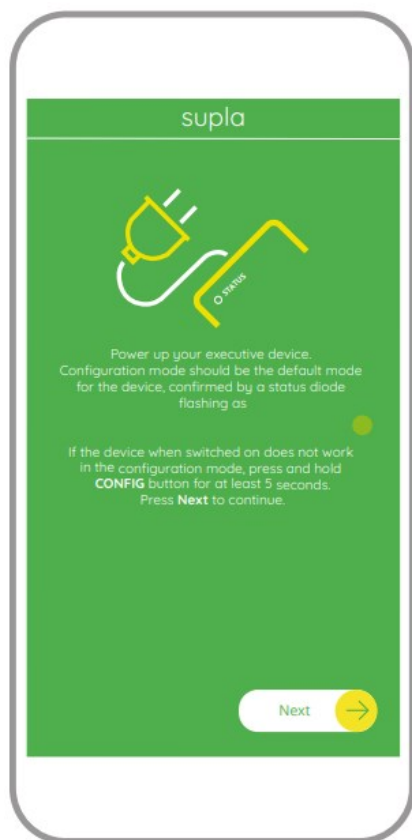


## NEW DEVICE REGISTRATION DISABLED

If the "New Device Registration Disabled" message is displayed, open this website: **https://cloud.supla.org/,**
Log into your account, go to the "My SUPLA" tab and Enable Device Registration. Next, repeat the device adding process.
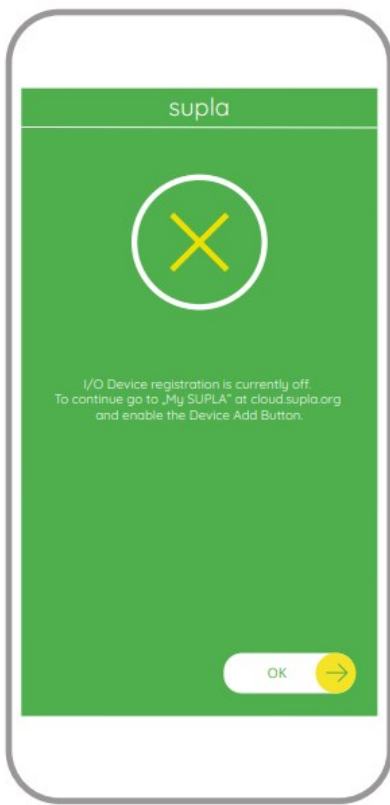
## DEVICE ADDED SUCCESSFULLY

Adding a device is simple and should end without any problems. If the device is added successfully, the following message is displayed: "Device configuration successful". Tap OK. Now, the supla app should display the device which you have just added on the list. The THW-01 STATUS LED in the front goes on steadily when the connection with the server is active.
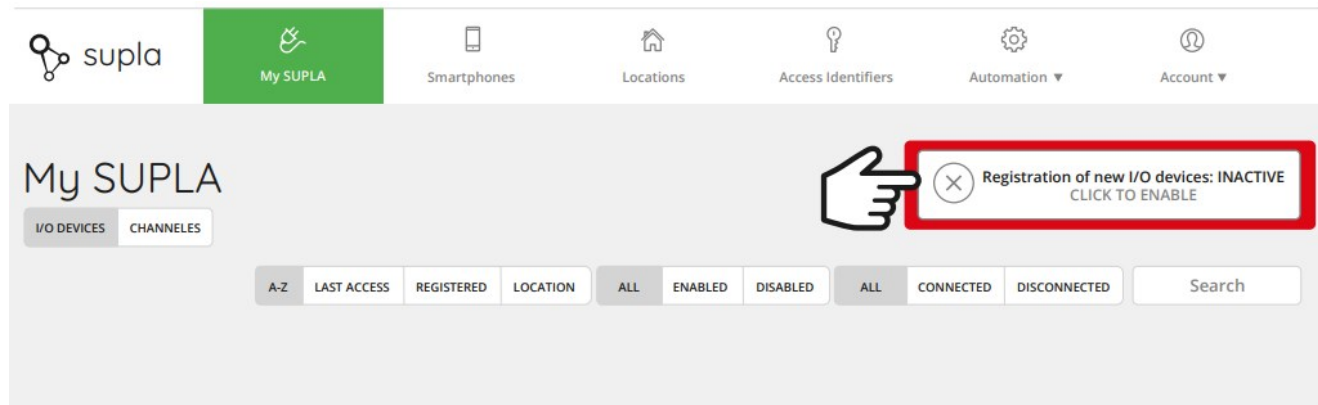


## CAUTION!

If the connected device is not shown on the list immediately once the configuration is complete, check the device STATUS LED. When added for the first time, the STATUS LED of some devices may flash very fast and irregularly. This happens when the device controller is updating its firmware. A moment after the update, the STATUS LED should go on steadily which means there is an active connection with the server.
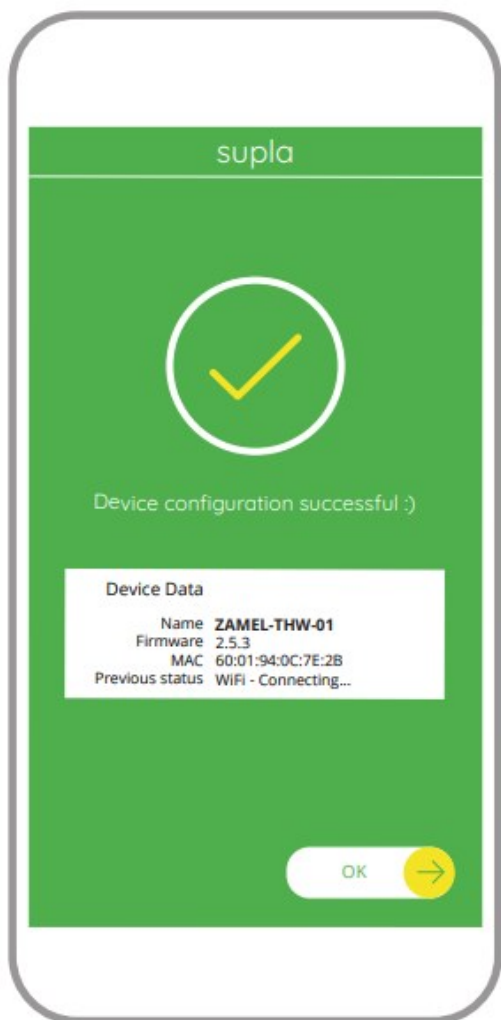
## ADDING THE DEVICE MANUALLY
Add the device manually when the automatic device adding mode of the supla app fails somehow
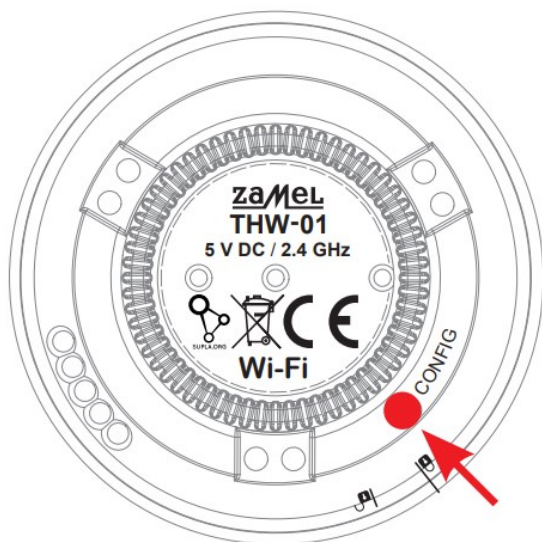


## DEVICE CONFIGURATION MODE
To do this, switch the device into the configuration mode by pressing and holding the CONFIG button until the STATUS LED starts to flash
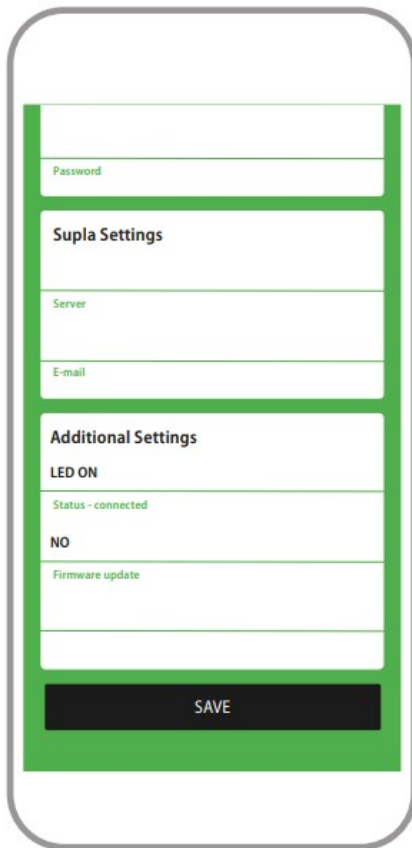
## CONFIGURING THE DEVICE
Now, find the device in the available Wi-Fi network list on your mobiledevice and connect to it. The Wi-Fi network name should begin with "ZAMEL-THW-01", followed by the device serial number
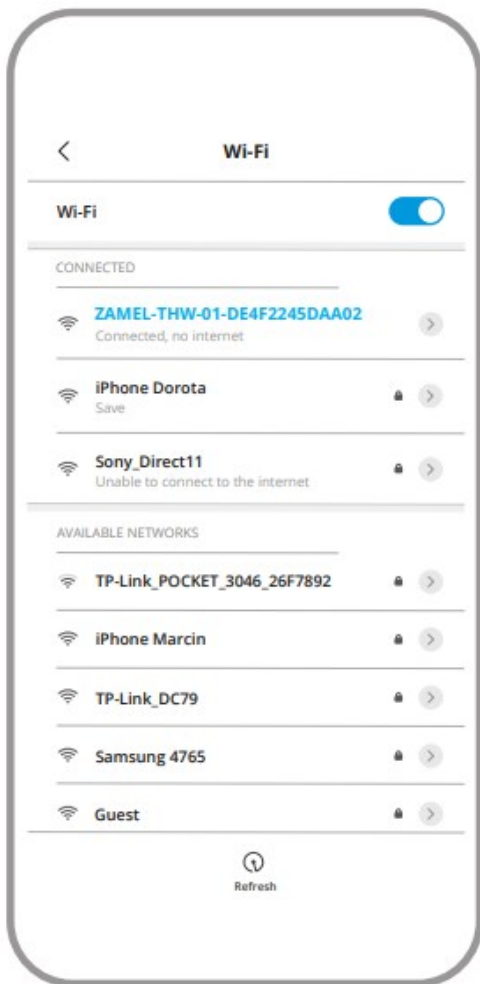
Open a web browser and type the following address in the address bar: 192.168.4.1 and open it. The configuration page will be displayed. Here, you can easily change the network settings
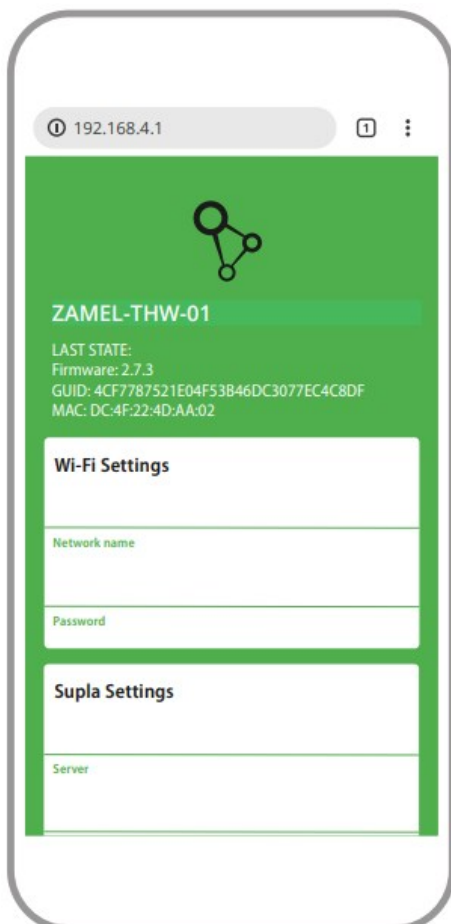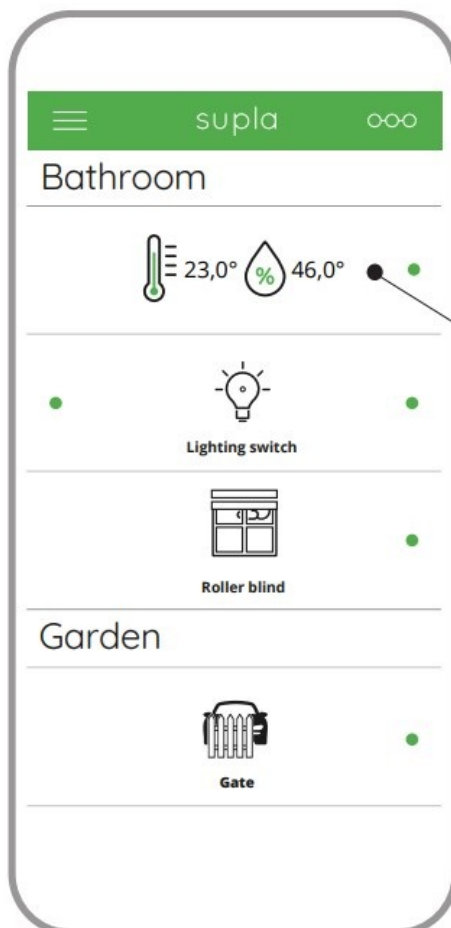
When done, tap "SAVE" at the bottom of the screen. The message "Data saved!" should be displayed. To confirm the entered data, briefly press the CONFIG button on the device. If the device connects to the server successfully, the STATUS LED will go on steadily



**control temperature and humidity**

## APP FUNCTIONS

2. Enabling / disabling the display of graphs.

3. Selects the chart type

4. Select an element of the graph to read the corresponding value
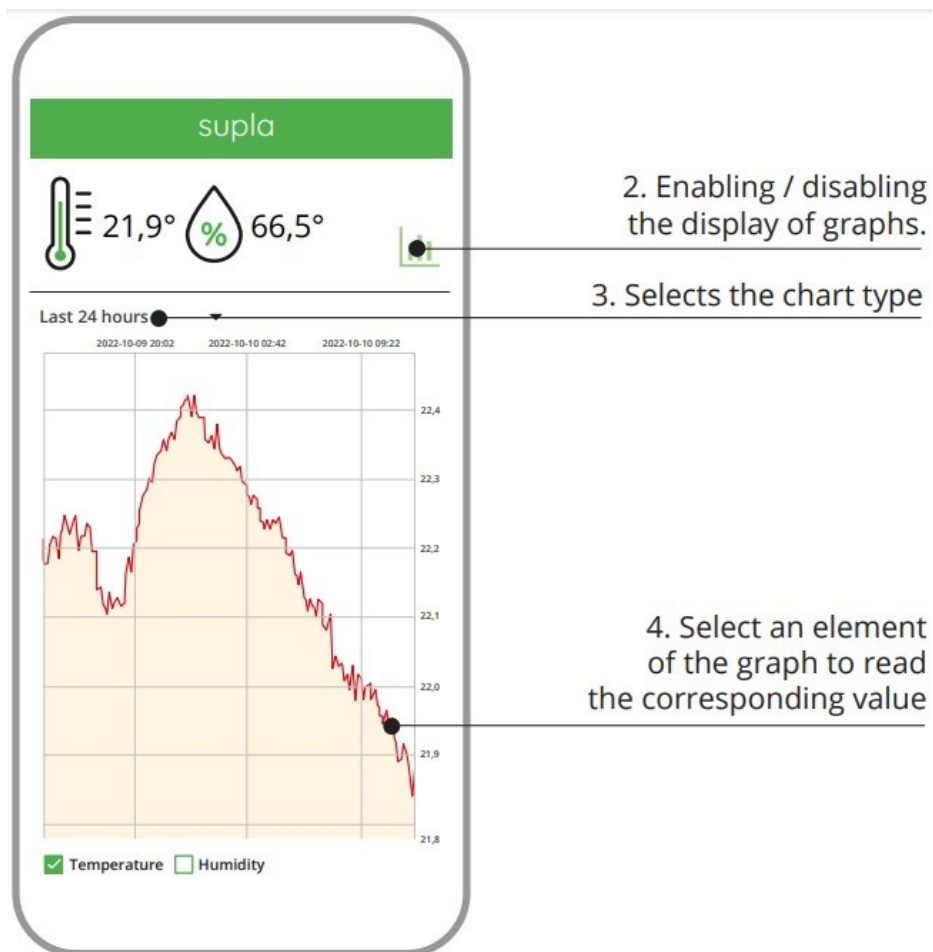
**RESETTING THE DEVICE**

**RESETTING THE DEVICE TO DEFAULT SETTINGS**
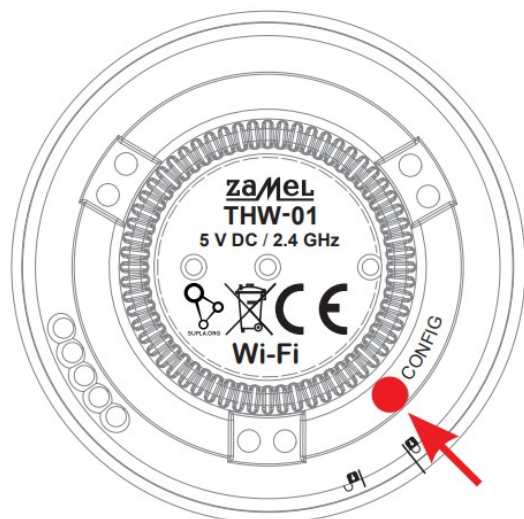


1. **Press and hold CONFIG**

   The STATUS LED should flash fast.

2. **Release the CONFIG button**

   The STATUS LED will continue to flash.

3. **Press and hold CONFIG again**

   The STATUS LED should blink once.

4. **Release the CONFIG button**

The device has been reset to defaults and restarts now. The STATUS LED should flash fast.

## ADDITIONAL FUNCTIONS

Up to four additional external sensors supporting the 1-WIRE protocol (DS18B20) can be connected to the unit. Connecting the sensors requires interference with the unit's electronics and will void the warranty. It is recommended that these modifications be made by a knowledgeable person. Details of how to connect can be found at: **https://supla.zamel.com/en/product/thw-01/ds**

## WARRANTY

1. ZAMEL Sp. z o.o. grants a 24-month warranty for the products it sells.
2. The warranty granted by ZAMEL Sp. z o.o. does not cover:
   **(a)** defects caused by transport, handling or other factors;
   **(b)** defects caused by improper installation or operation of the products manufactured ZAMEL Sp. z o.o.;
   **(c)** defects caused by any modifications or alterations made by the BUYER or any third party to the sold products or to the equipment required for the proper operation of the sold products;
   **(d)** defects caused by any force majeure event or another fortuitous event beyond any reasonable control of ZAMEL Sp. z o.o.
3. The BUYER shall report all warranty claims in writing at the point of sale or to ZAMEL Sp. z o.o.
4. ZAMEL Sp. z o.o. will examine each warranty claim as regulated by the applicable provisions of the Polish law.
5. If found valid by examination, the warranty claim will be processed by replacement of the defective product, its repair or a refund of the price of purchase at the sole discretion of ZAMEL Sp. z o.o.
6. No rights of the BUYER arising from the statutory or regulatory laws concerning implied warranty for defects of sold goods are limited, prejudiced or excluded by this warranty

## Documents / Resources

| | |
|---|---|
|  | **supla THW-01 Temperature and Humidity Sensor WiFi** [pdf] User Manual<br>THW-01, THW-01 Temperature and Humidity Sensor WiFi, Temperature and Humidity Sensor WiFi, THW-01 Temperature and Humidity Sensor, Temperature and Humidity Sensor, Humidity Sensor, Sensor |

## References

- ⚡ **SUPLA Cloud**
- ⚡ **SUPLA**
- ⚡ **SUPLA**
- 🌐 **Polski producent sprzętu elektrotechnicznego - ZAMEL Sp. z o. o.**
- ⚡ **SUPLA Cloud**