



Shelly Smart Wi-Fi Humidity and Temperature Sensor User Guide

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Read before use

This document contains important technical and safety information about the device, its safety use and installation



CAUTION! Before beginning the installation, please read carefully and entirely this guide and any other documents accompanying the device. Failure to follow the installation procedures could lead to malfunction, danger to your health and life, violation of law or refusal of legal and/or commercial guarantee (if any). Allterco Robotics EOOD is not responsible for any loss or damage in case of incorrect installation or improper operation of this device due to failure of following the user and safety instructions in this guide.

Shelly® devices are delivered with factory-installed firmware. If firmware updates are necessary to keep the devices in conformity, including security updates, Allterco Robotics EOOD will provide the updates free of charge through the device Embedded Web Interface or the Shelly mobile application, where the information about the current firmware version is available. The choice to install or not the device firmware updates is the user's sole responsibility. Allterco Robotics EOOD shall not be liable for any lack of conformity of the device caused by failure of the user to install the provided updates in a timely manner.

Product Introduction

Shelly H&T (the Device) is a compact smart humidity and temperature sensor. It can measure the air humidity and temperature in a room and act as an action trigger to other smart devices in your home automation.

Installation Instructions



CAUTION! Do not use if the device has been damaged!



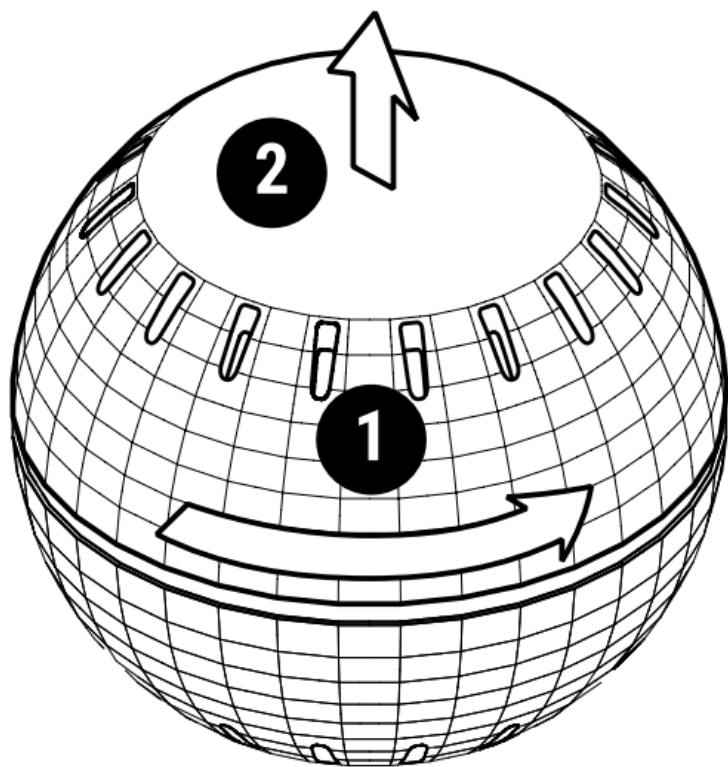
CAUTION! Do not attempt to service or repair the device yourself!



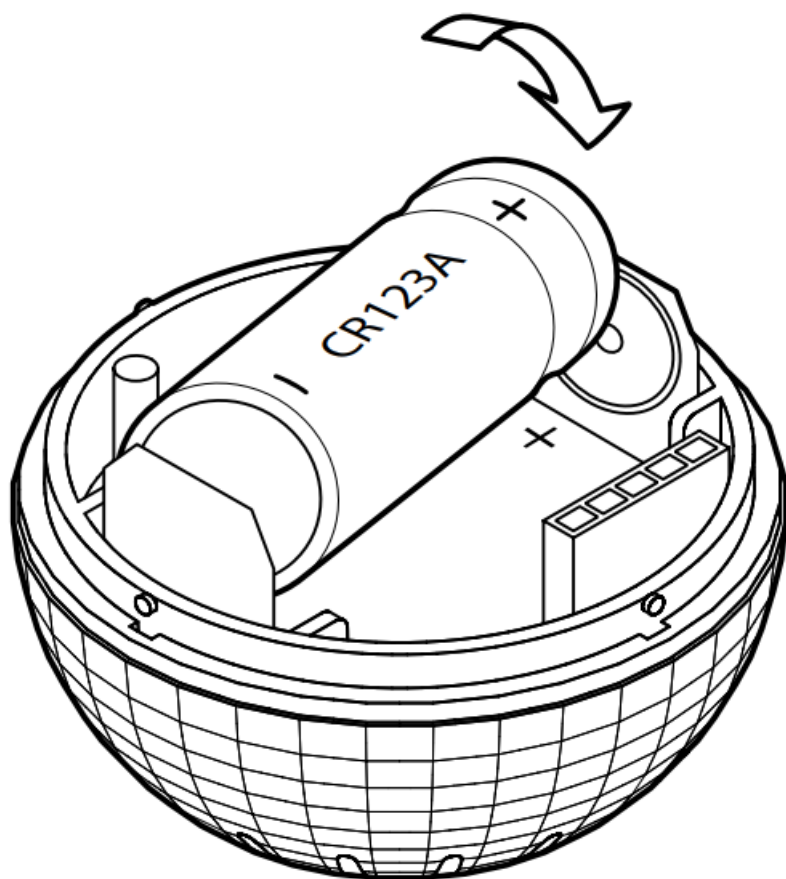
CAUTION! Keep device away from liquids and moisture. The device should not be used in places with extremely high humidity.


Inserting the battery


Remove the Shelly H&T bottom shell by turning it counterclockwise as shown on **fig. 2**.



Insert the battery as shown on **fig. 3**.

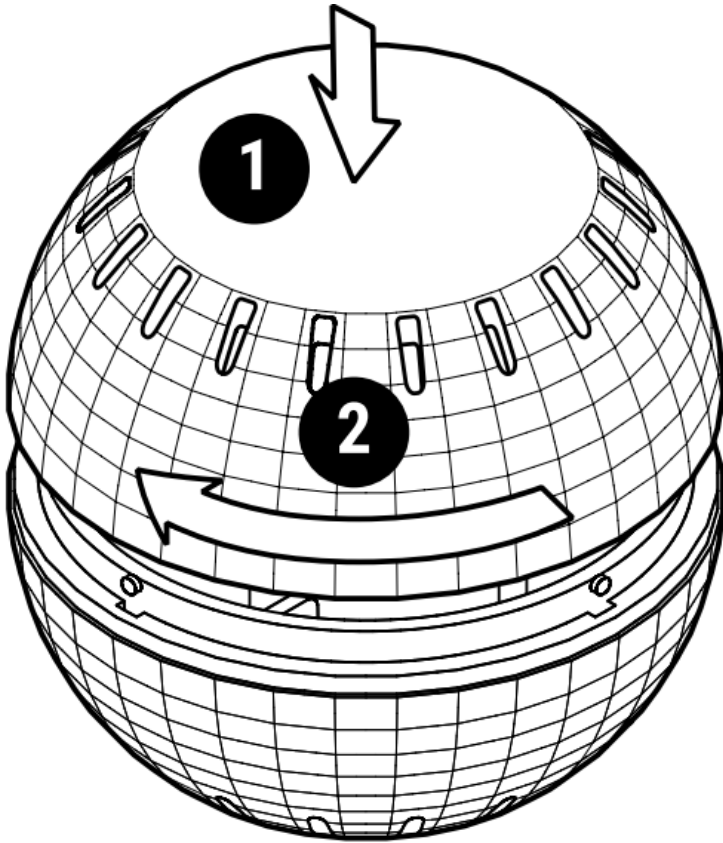


 **CAUTION!** Pay attention to the battery polarity!

 **CAUTION!** Use only 3 V CR123A compatible batteries!

Some rechargeable batteries have higher voltage and may damage the Device. The LED indication should start

flashing slowly, indicating the Device is awake and in AP (Access Point) mode. Attach the bottom shell to Shelly H&T by turning it clockwise as shown on **fig.4**. Shelly H&T can be also power supplied through a USB power adapter. Shelly H&T USB adapter is available for purchase separately at: <https://shelly.link/HT-adapter>



Connecting to the device

If the LED indication has stopped flashing, wake the Device up by pressing briefly the control button. Connect your mobile device or PC to the AP (Access Point) of Shelly H&T (shellyht-xxxxxx). Once connected to the Device AP, you can setup it up by visiting the universal for all Shelly devices address to access the Web Interface: <http://192.168.33.1>.

In the Web Interface you can connect the Device to your home Wi-Fi network (making the Device enter STA (Client/Station mode)) by clicking Internet & Security and selecting WIFI MODE – CLIENT. Once you've checked Connect the Shelly device to an existing WiFi network and entered the name and password, click SAVE. After that, you can easily find the Device IP in the network using this tool:

[https://shelly.cloud/documents/device_finders/ShellyFinderWindows.zip\(forWindows\)](https://shelly.cloud/documents/device_finders/ShellyFinderWindows.zip(forWindows)) and https://shelly.cloud/documents/device_finders/ShellyFinderOSX.zip (for MAC OSX).

Connecting to a local network will disable the Device AP mode. If you need it, you can enable it by pressing and holding the control button for 5 seconds. This, in turn, will disable the STA mode and will disconnect the Device from the local network. In the Web Interface you can also create Webhooks to control other compatible smart devices. Learn more about the Device web interface at:

<https://kb.shelly.cloud/knowledge-base/shelly-h-t-webinterface-guide>

Initial Inclusion

If you choose to use the Device with the Shelly Cloud mobile application and Shelly Cloud service, instructions on how to connect the Device to the Cloud and control it through the Shelly App can be found in the “App Guide”. <https://shelly.link/app>

The Shelly mobile application and Shelly Cloud service are not conditions for the Device to function properly. This Device can be used standalone or with various other home automation platforms and protocols.

LED indication

- **Flashing slowly:** AP Mode
- **Flashing quickly:** STA Mode (not connected to the Cloud) or firmware update, while connected to the Cloud
- **Constant light:** Connected to Cloud

Control button

- Press briefly to wake the Device up when it in sleep mode, or put it to sleep mode if it is awake.
- Press and hold for 5 sec to activate Device AP.
- Press and hold for 10 sec to factory reset.

Specifications

- **Dimensions:** 46x46x36 mm / 1.8x1.8x1.4 in
- **Weight with battery:** 33 g / 1.15 oz
- **Working temperature:** -10°C to 50°C
- Humidity 20 % to 90 % RH
- **Power supply:** 1x 3 V CR123A battery (not included)
- **Battery life:** up to 18 months
- **RF band:** 2401 – 2495 MHz
- **Max. RF power:** < 20 dBm
- **Wi-Fi protocol:** 802.11 b/g/n
- **Wi-Fi operational range (depending on local conditions):**
 - up to 50 m / 160 ft outdoors
 - up to 30 m / 100 ft indoors
- **CPU:** ESP8266
- **Flash:** 2 MB
- **Webhooks (URL actions):** 5 with 5 URLs per hook
- **MQTT:** Yes
- **CoIoT:** Yes

Declaration of conformity

Hereby, Allterco Robotics EOOD declares that the radio equipment type Shelly H&T in compliance with Directive 2014/53/EU, 2014/35/EU, 2014/30/EU, 2011/65/EU. The full text of the EU declaration of conformity is available at the following internet address:

https://shelly.link/ht_DoC

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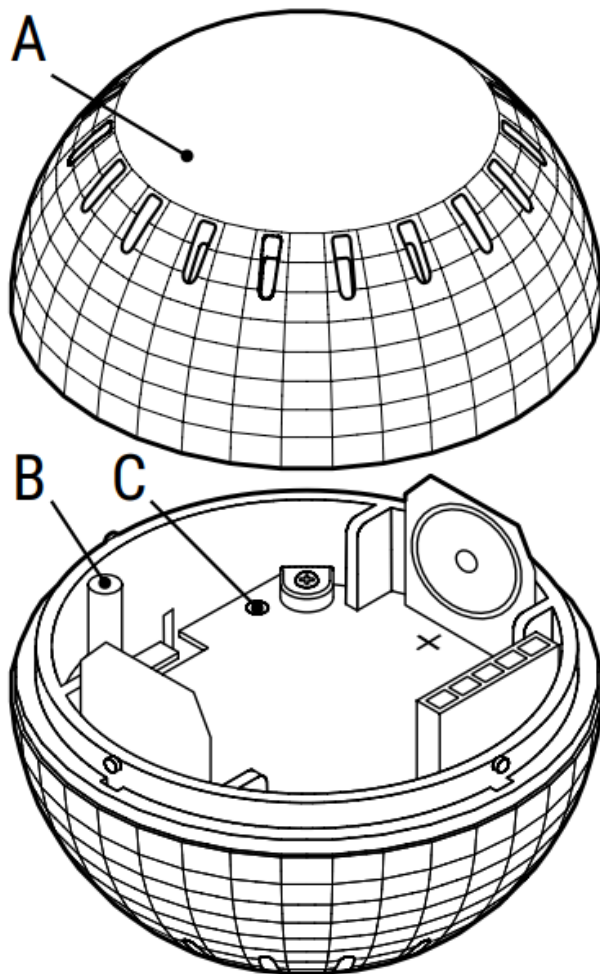
E-mail: support@shelly.cloud

Official website: <https://www.shelly.cloud>

Changes in the contact information data are published by the Manufacturer on the official website. <https://www.shelly.cloud>

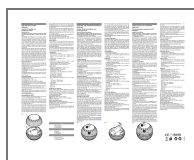
PARTS DESCRIPTION

fig. 1



- A:** Bottom shell
B: Control button
C: LED indication

Documents / Resources



[Shelly Smart Wi-Fi Humidity and Temperature Sensor](#) [pdf] User Guide
Smart Wi-Fi Humidity and Temperature Sensor, Wi-Fi Humidity and Temperature Sensor, Humidity and Temperature Sensor, Temperature Sensor, Sensor

References

- [Shelly - Shelly](#)
- [Application guide](#)
- [Shelly H&T](#)
- [USB power supply for Shelly H&T - All products - Products - Shelly](#)