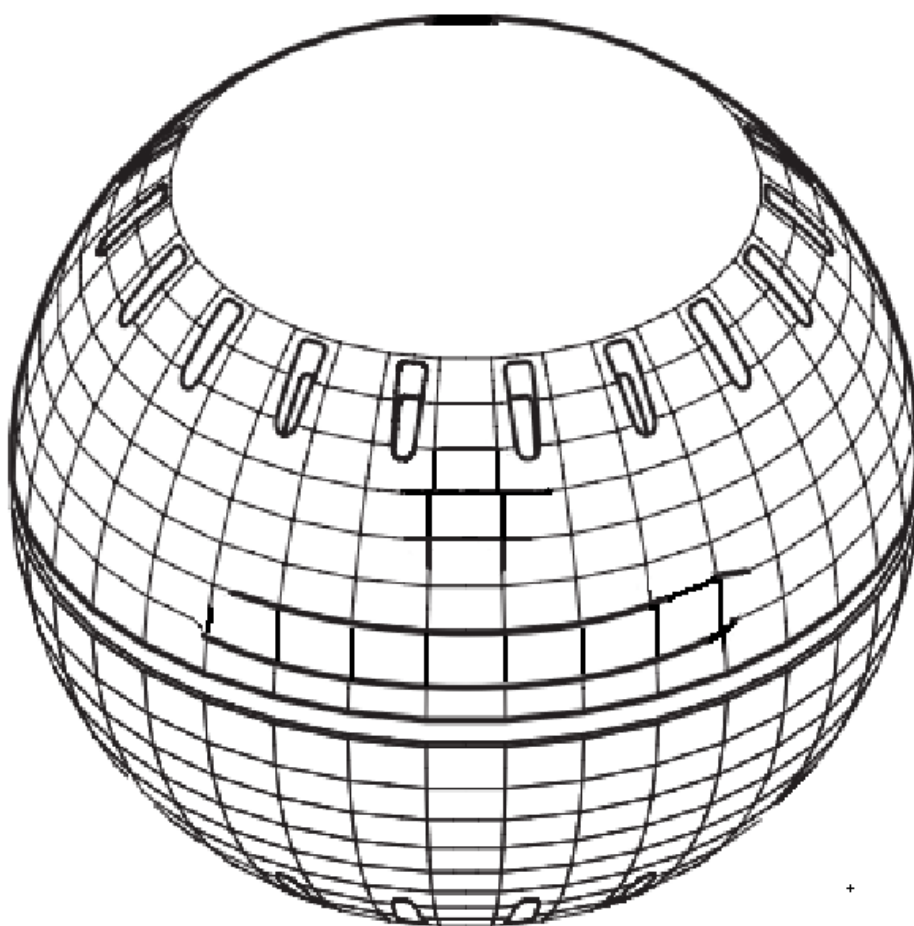




Shelly B2513 Z Wave Smart Sensor



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Legend

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

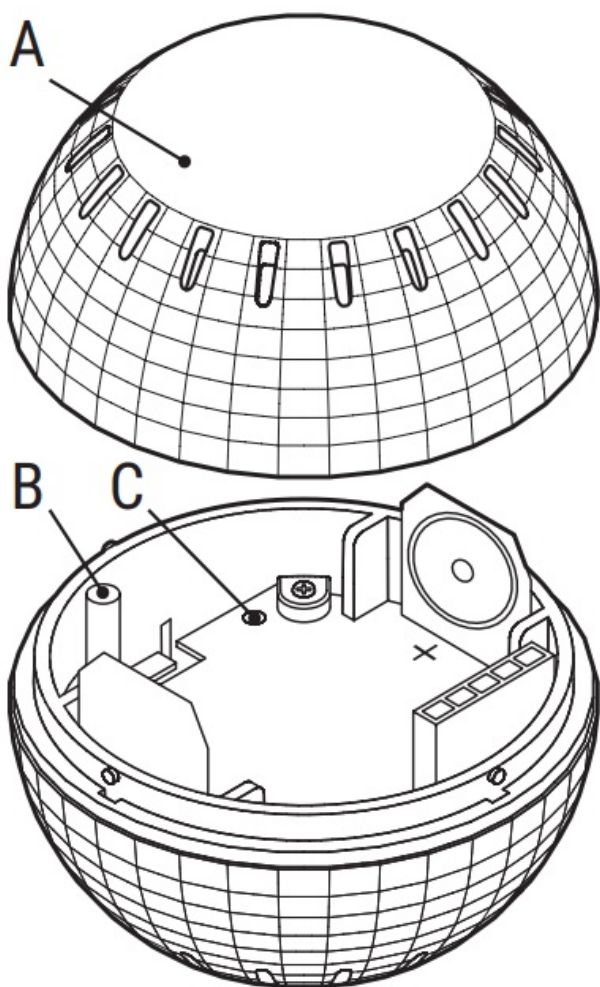


Fig.1

For more detailed installation instructions go to: https://shelly.link/ShellyWaveH&T_KB-US



USER AND SAFETY GUIDE

Z-Wave® Smart sensor with humidity and temperature measurement

READ BEFORE USE

This document contains important technical and safety information about the Device, its safe 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). Shelly Europe Ltd. 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.

ABOUT THE DEVICE

The Shelly Wave H&T sensor is a Z-Wave® device designed to detect humidity and temperature, featuring long battery life.


<div> WARNING</div>	
<div><ul style="list-style-type: none">• INGESTION HAZARD: This product contains a button cell or coin battery. DEATH or serious injury can occur if ingested.• A swallowed button cell or coin battery can cause Internal Chemical Burns in as little as 2 hours.• KEEP new and used battery OUT OF REACH of CHILDREN• Seek immediate medical attention if a battery is suspected to be swallowed or inserted inside any part of the body</div>	<div></div>


 **WARNING!** Even used batteries may cause severe injury or death. Call a local poison control center for treatment information!


 **WARNING!** Do not force discharge, recharge, disassemble, heat above manufacturer’s specified temperature rating or incinerate! Doing so may result in injury


due to venting, leakage or explosion resulting in chemical burns.


 **WARNING!** Do not recharge non-rechargeable batteries!


 **CAUTION!** Remove and immediately recycle or dispose of exhausted batteries according to your local regulations!


 **CAUTION!** If the Device is not used for an extended period, remove the battery. Reuse it if it still has power or dispose of it according to local regulations if it is exhausted.


 **CAUTION!** Do not dispose of batteries in household trash or incinerate! Batteries can emit hazardous compounds or cause fire if not disposed of properly.


 **CAUTION!** Always completely secure the battery compartment! If the battery compartment does not close securely, stop using the product, remove the batteries and keep them away from children.

 **CAUTION!** The Device is intended for indoor use only!


 **CAUTION!** Keep the Device away from liquids and moisture. The Device shouldn't be used in places with high humidity.

 **CAUTION!** Do not use if the Device has been damaged!

 **CAUTION!** Do not attempt to service or repair the Device yourself!

 **CAUTION!** The Device may be connected wirelessly and may control electric circuits and appliances. Proceed with caution! Irresponsible use of the Device may lead to malfunction, danger to your life or violation of the law.

 **RECOMMENDATION:** Place the Device as far away as possible from metal elements as they can cause signal interference.

 **CAUTION!** Do not install the Device where it can get wet.

INSERTING/REPLACING THE BATTERY

CAUTION! Use only 3 V CR123A or a compatible battery!

CAUTION! Ensure the batterie is installed correctly according to polarity (+ and -).

1. Remove the Device bottom shell by turning it counter clockwise as shown on Fig. 1.
2. Insert the battery as shown on Fig. 2.

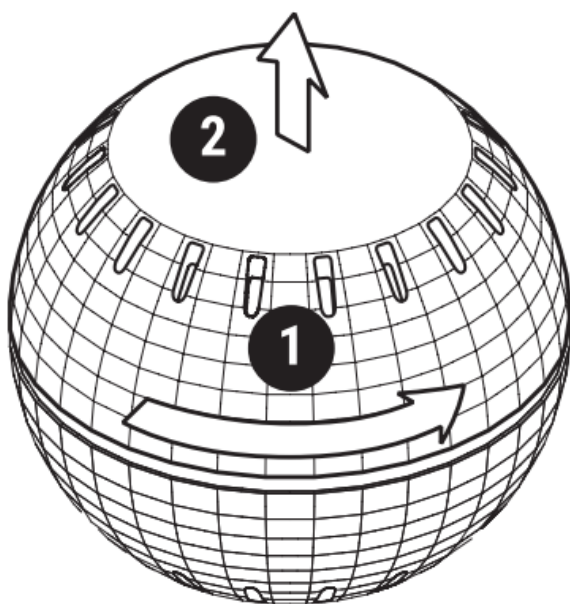


Fig.2

3. The LED indication should start flashing slowly, indicating the Device is awake. Attach the bottom shell to Device by turning it clockwise as shown on Fig. 3.

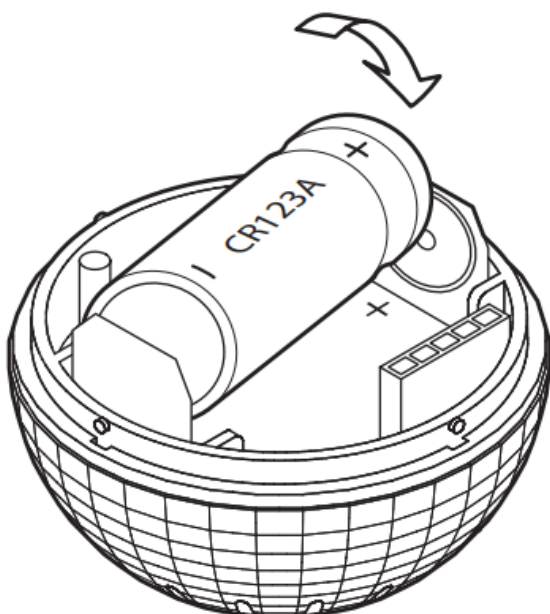


Fig.3

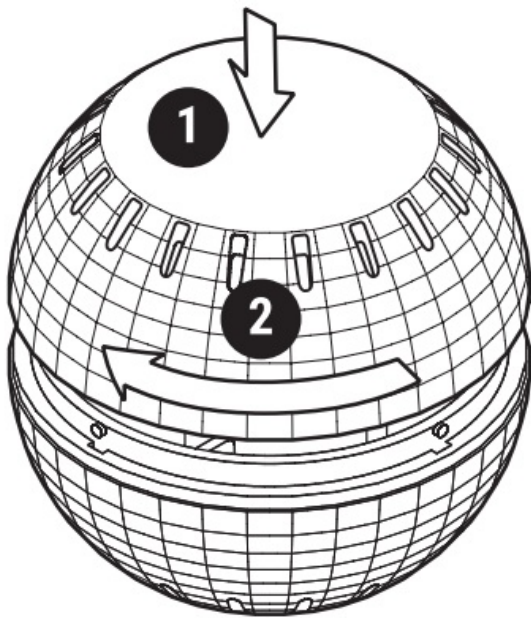


Fig.4

Device can be also power supplied through a USB power adapter. Device USB adapter is available for purchase separately at: <https://shelly.link/HT-adapter>

TECHNICAL SPECIFICATIONS

Power supply: 1x 3 V CR123A battery

Battery life: up to 2 years

Humidity sensor: Yes

Temperature sensor: Yes

Wireless protocol: Z-Wave®

CPU: S800

Z-Wave® Mesh distance: Up to 40 m indoors (131 ft.) (depends on local condition)

Z-Wave® Mesh frequency band: 908.4 MHz

Z-Wave® Long range distance: Up to 80 m indoors (262 ft.) or up to 1000 m outdoors (3281 ft.)

Z-Wave® Long range frequency band: 912 MHz

Size (H x W x D): 35×46 ±0.5 mm / 1.38×1.81 ±0.02 in

Weight: 33 ±1 g / 1.16 ±0.05 oz (with the battery)

Shell material: Plastic

Color: Black or White

Ambient temperature: -20°C to 40°C / -5°F to 105°F

Humidity: 30% to 70% RH

OPERATIONAL INSTRUCTIONS

The humidity and temperature information are transmitted periodically if enabled by parameters.

IMPORTANT DISCLAIMER

Z-Wave® wireless communication may not always be 100% reliable. This Device should not be used in situations in which life and/or valuables are solely dependent on its functioning. If the Device is not recognized by your gateway or appears incorrectly, you may need to change the Device type manually and ensure that your gateway supports Z-Wave Plus® multi-channel devices and Z-Wave® Long Range capability in case of Long Range devices.

DISPOSAL & RECYCLING

This refers to the waste of electrical and electronic equipment. It is applicable in the US and other countries to collect waste separately.



— This symbol on the product or in the accompanying literature indicates that the product should not be disposed of in the daily waste. Shelly Wave H&T must be recycled to avoid possible damage to the environment or human health from uncontrolled waste disposal and to promote the reuse of materials and resources. It is your responsibility to dispose of the device separately from general household waste when it is already unusable.

FCC NOTES

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

(1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. The manufacturer is not responsible for any radio or TV interference caused by unauthorized modification or change to this equipment. Such modifications or changes could void the

user's authority to operate the equipment. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

RF exposure statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

ORDERING CODE: QLHT-0U2ZUS

FCC ID: 2BDC6-WAVEHT

CUSTOMER SUPPORT

MANUFACTURER

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Republic of Bulgaria

Tel.: +359 2 988 7435

E-mail: zwave-shelly@shelly.cloud



Support: <https://support.shelly.cloud/>

Web: <https://www.shelly.com>

Changes in the contact data are published by the
Manufacturer at the official **website:** <https://www.shelly.com>



Documents / Resources

	Shelly B2513 Z Wave Smart Sensor [pdf] User Guide B2513, CR123A, B2513 Z Wave Smart Sensor, B2513, Z Wave Smart Sensor, Smart Sensor, Sensor
	Shelly B2513 Z-Wave Smart Sensor [pdf] User Guide B2513, B2513 Z-Wave Smart Sensor, Z-Wave Smart Sensor, Smart Sensor, Sensor

References

- [User Manual](#)

📎 B2513, B2513 Z Wave Smart Sensor, CR123A, Sensor, Shelly, Smart Sensor, Z Wave Smart

📁 Shelly Sensor

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