Heiman Technology H1-E Smart Temperature and Humidity Sensor User Manual

Contents

HEIMAN®

Heiman Technology H1-E Smart Temperature and Humidity Sensor

Specifications

- **Product:** Smart Temperature & Humidity Sensor
- **Dimensions:** 55mm x 165mm
- **Compliance:** FCC Part 15 Rules

Product Information

- **Technical Parameters**
  This smart temperature and humidity sensor features a high precision temperature and humidity sensor, along with a quality MCU for processing detected conditions. It is designed for various environments such as shopping malls, hotels, teaching buildings, banks, libraries, and warehouses.
- **Functions**
  The device automatically enters networking status when the reset button is long-pressed using the pin key. It provides visual indications through networking icons and power icons. The installation involves wall mounting or using the desktop bracket.
- **Networking**
  To network the sensor, open the app, select a gateway, tap the “+” to add the sensor, and follow the app prompts. The networking process can be stopped by pressing the reset button again during networking state.
- **Visual Indication**
  The networking icon status instructions guide users on the networking process and status. Additionally, the power icon indicates the battery level with four different power levels.

Product Usage Instructions

Installation
To install the sensor:

1. For wall mounting, use the provided mounting bracket and align it with the wall. Ensure temperature or humidity levels are suitable.
2. Insert the desktop bracket onto the mounting bracket and place it back in position.

3. Align the sensor with the mounting bracket, rotate it towards the close arrow direction until it locks in place.

Battery Installation and Replacement
Insert the pin key into the disassembly hole, press the mounting bracket inwards, and rotate it to open for battery installation or replacement.

FAQ

1. **Q: How do I know if the networking process is complete?**
   A: When the networking icon remains on, it indicates that network inclusion is done.
2. **Q: What should I do if the mounting bracket is loose?**
   A: If the mounting bracket is loose, realign it with the sensor and rotate it towards the close arrow direction to lock it in place.

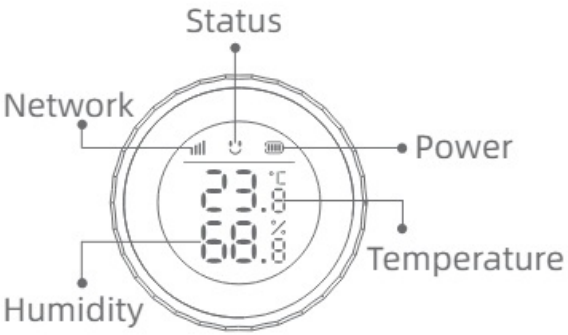
Smart Temperature & Humidity Sensor User Manual

Please read the user manual carefully before operation. The guide picture is for reference only, please in kind prevail.

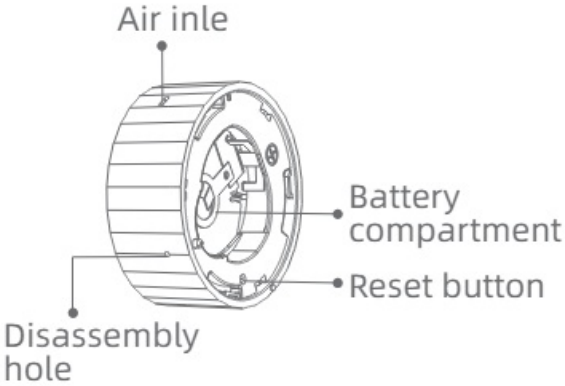
Product Introduction

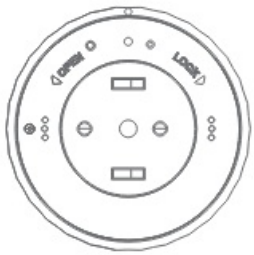
This smart temperature and humidity sensor adopts high precision temperature and humidity sensor, with quality MCU to process detected temperature and humidity conditions and
communication technology to help send temperature and humidity information to use APP in real time. This product is suitable for environmental monitoring in the residential building, office building, computer room, shopping mall, hotel, teaching building, bank library, warehouse, etc.

Illustrations



Desktop bracket





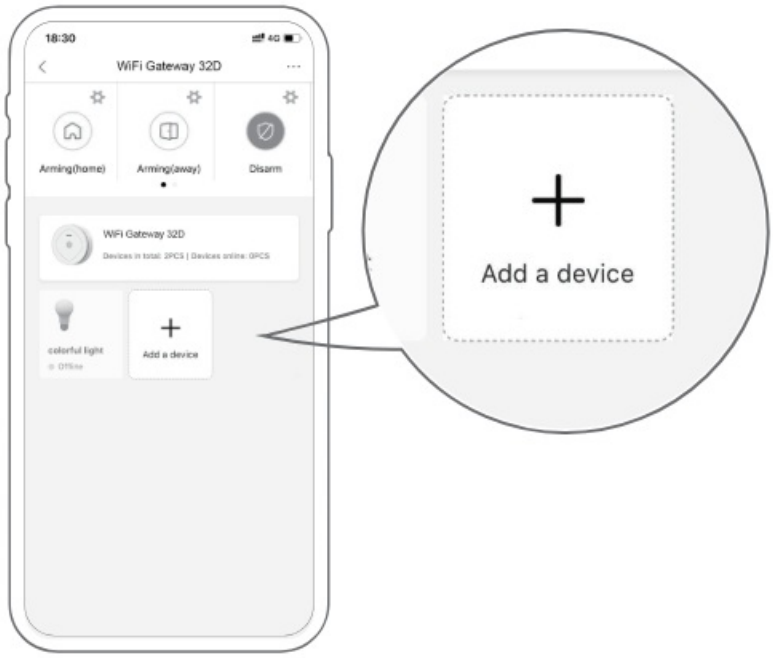
Mounting bracket

Technical Parameters

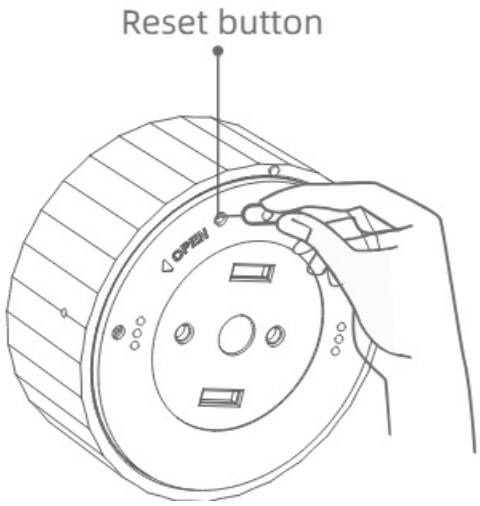
- **Working Voltage**:DC3V(1xCR2450 battery)
- **Networking:** Zigbee 3.0 Wireless
- **Network Distance:≤100m** (in open area)
- **Temperature Range:-10°C** ~+50°C
- **Humidity Range:<95%RH(no** condensation)
- **Dimensions:** 42x42x17.8 mm

Networking

Open APP, select a gateway, tap“ + ”in my “Smart Temperature and Humidity Sensor” and continue to operate according to APP prompts.

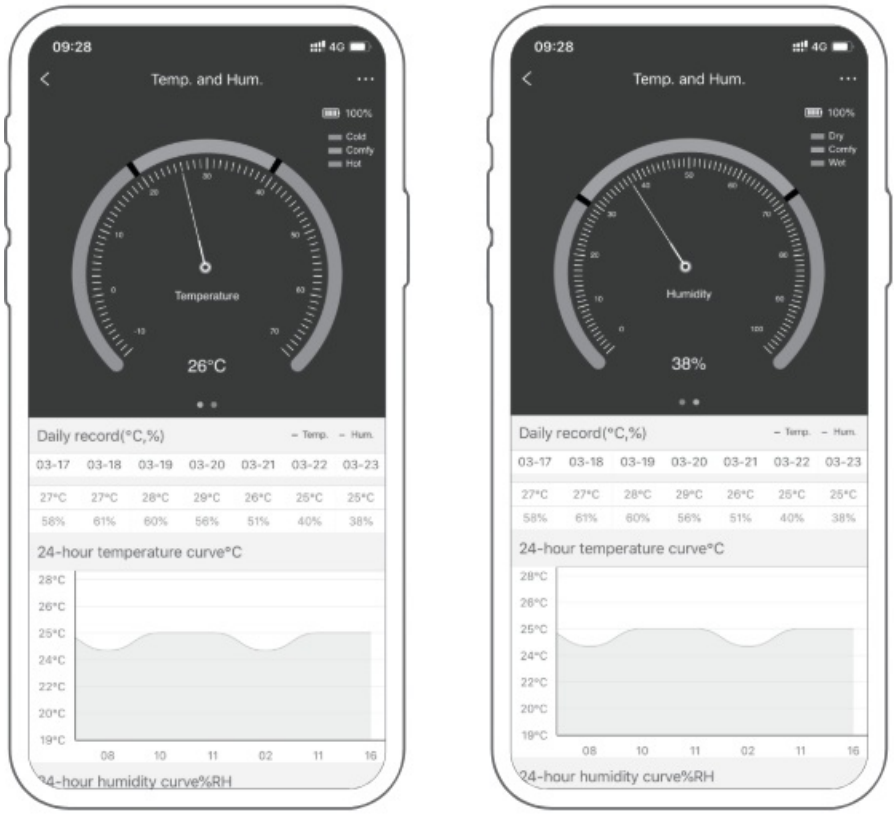


Long press reset button by the pin key to networking status automatically.
The device must be activated first before normal working.



- **Network inclusion**: After activation, the sensor will enter networking state automatically: networking icon “ ” flashes(twice/second). When networking icon “ ” becomes keeping on, APP will prompt network inclusion is done.
- If network inclusion fails, networking icon “ ” will go off and APP will prompt network inclusion fails.
- If the device can not be added into the network successfully within 60 seconds, networking will stop and networking icon “all” go off.
- **Note:** Pressing the reset button again during networking state will stop networking process. Green LED will flash slowly for 3 seconds (2 times/second) and goes off.
- **Tips**
  Due to the APP upgrade and update, this guideline may be slightly different from the actual operation, please follow the instructions in the APP.

Functions

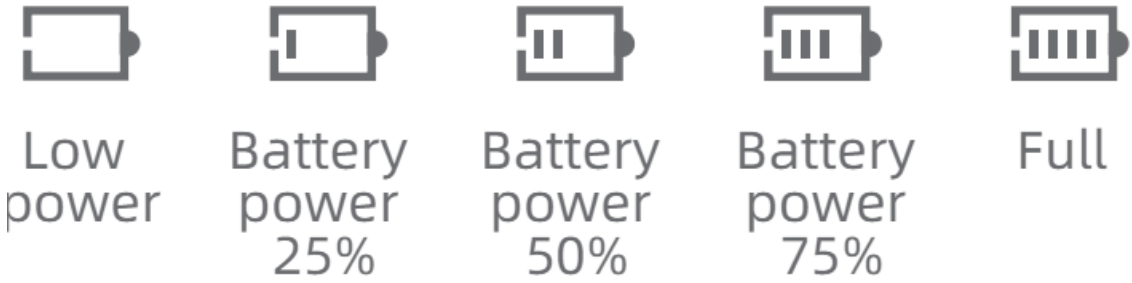


Visual indication

1. Networking icon status instructions

	Status
Networking icon “ ”	Long press the reset button, networking icon starts to flash, the sensor will enter networking status; If the sensor has been added into the network, it will quit the network first and then enter networking status.
	1.Networking icon flashes during networking status. 2.Networking icon keeps on if network inclusion is successful. 3.Networking icon goes off if network inclusion fails.

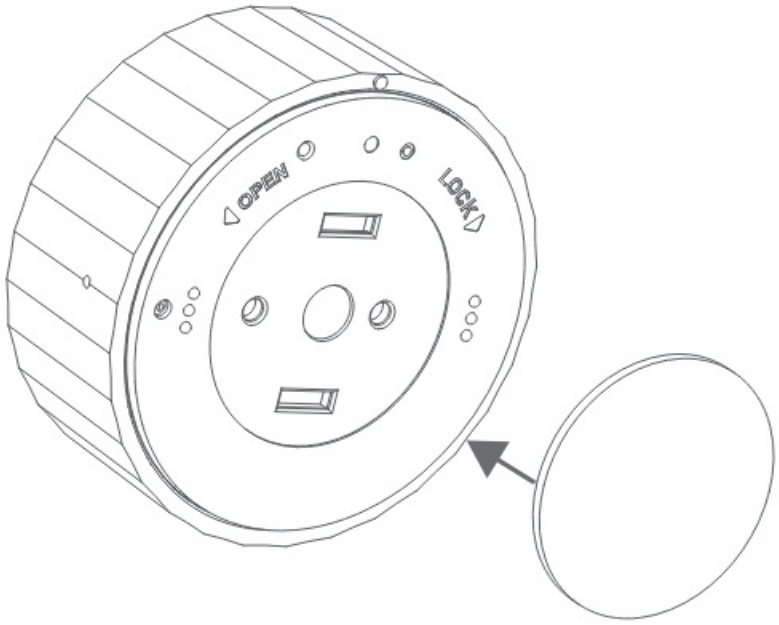
2. Power icon instructions



3. Facial expression instructions
   - Comfortable
   - Temperature or humidity too high or too low

Installation

Wall mounting
Fix the sensor on the chosen area of the wall with two-sided adhesive tape between the mounting bracket and the wall.

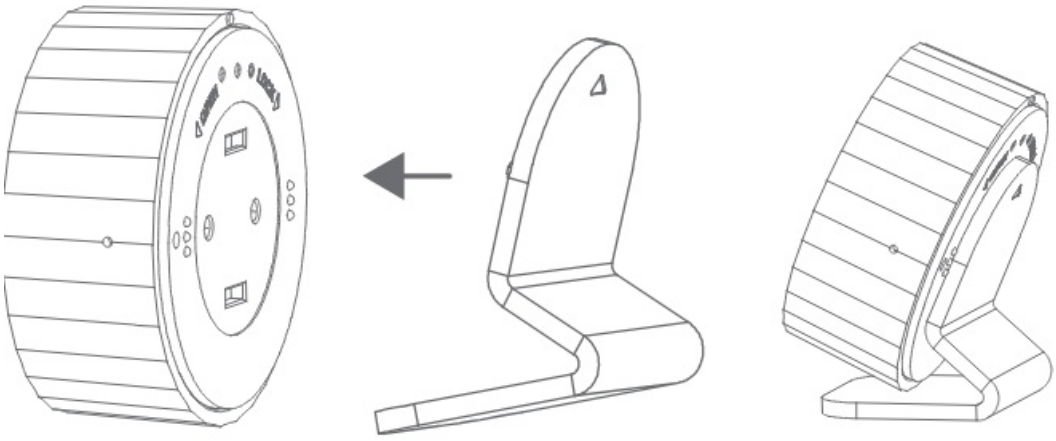


Attention:

1. Make sure the installation surface is smooth, firm, dry and clean.
2. After installation, check whether the device is installed on the wall firmly regularly.

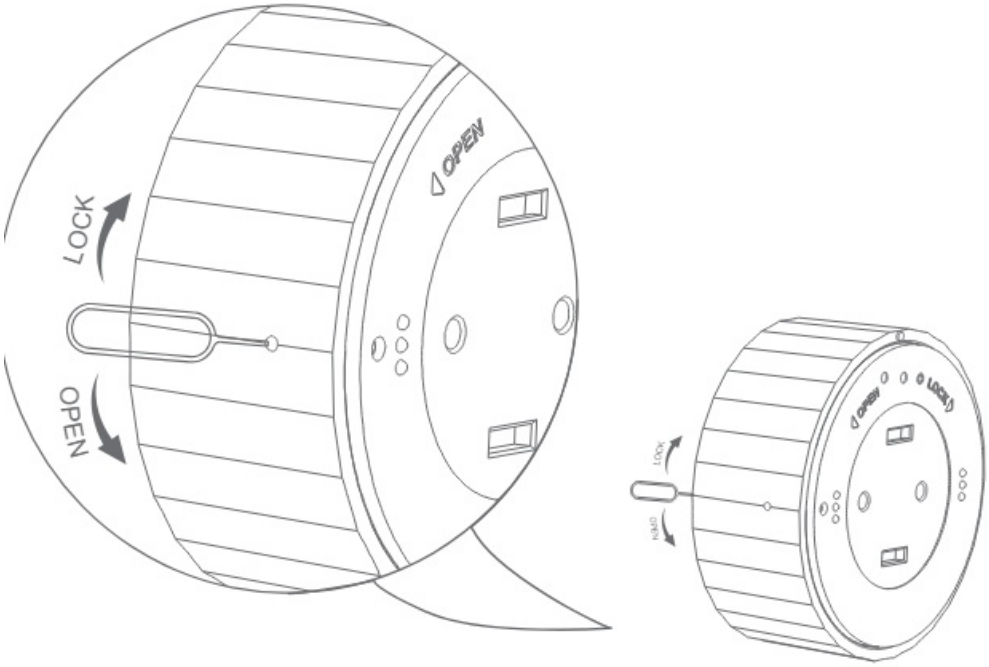
Desktop

1. Insert desktop bracket onto the mounting bracket of the sensor.
2. So the senor is able to stand alone on flat surface like desk.

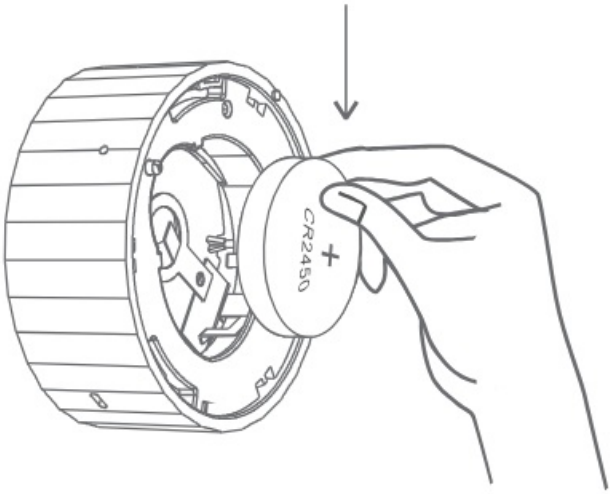


Battery installation and replacement

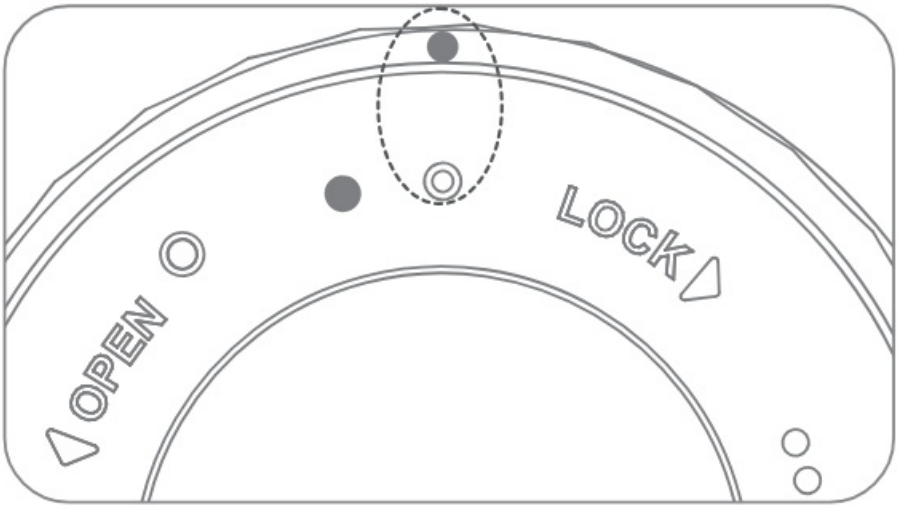
- Insert the pin key into the disassembly hole, press the mounting bracket inwards, meanwhile rotate the mounting bracket toward the open arrow direction, remove it from the sensor



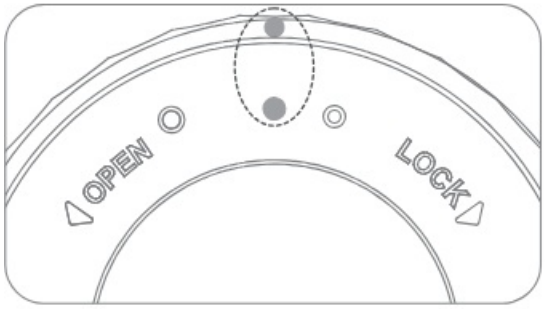
- Pay attention to the positive and negative electrode of the battery while installing or replacing a new battery, and then move the mounting bracket back in place.
- Please dispose of used batteries in an environmental friendly way.



- Align “O” on mounting bracket and “●” on the sensor, rotate the mounting bracket toward close arrow direction to install it back to the sensor.
- When “●” and “●” are aligned, it indicates it’s locked in place.



- mounting bracket is loosed.



- mounting bracket is locked.

Statement

- The information in the user manual is for reference only and does not constitute any form of commitment.
- Without the written permission of the manufacturer, any individual or organization shall not extract or copy part or all of the contents of this user manual, and shall not spread it in any for
- As the technology is constantly updated the manufacturer reserves the right to modify the user manual without prior notice. If the user manual and the actus operations is inconsistent, please refer to the actual operations and the final interpretation is reserved to the manufacturer herein.

FCC Statement

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.
2. This device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: 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 frequence 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.
  - 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.
  - Increase the separation between the equipment and receiver.

The device has been evaluated to meet general RF exposure requirement, This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and your body

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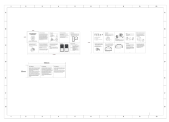
Documents / Resources

	Heiman Technology H1-E Smart Temperature and Humidity Sensor [pdf] User Manual H1-E, H1-E Smart Temperature and Humidity Sensor, Smart Temperature and Humidity Sensor, Temperature and Humidity Sensor, Humidity Sensor, Sensor

References

- User Manual