

LH-331ZB Temperature & Humidity Sensor Manual

Please read this manual carefully before use, iHORN reserves the final interpretation right of this manual

Packing List

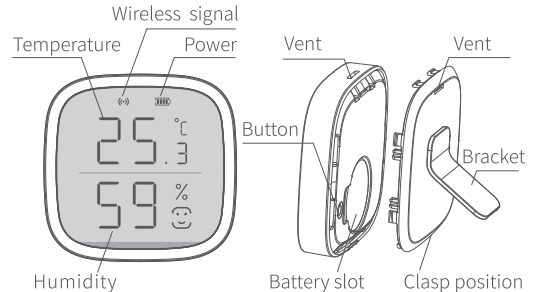
Make sure the device & accessories complete after unpack as below.



Batteries (battery pack or batteries installed) shall not be exposed to excessive heat such as sunshine, fire or the like.

Appearance & Feature

Appearance



Feature

Small and elegant design, with industrial precision sensor, it can detect and show temperature and humidity changes in real time; Work with gateway can remote check the data.

Product usage

Install iHORN Smart Life App

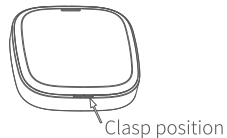
Scan the QR code below to download the " iHORN Smart Life " App.

Or search for " iHORN Smart Life " in App Store or Google Play to download and install, and create a new account.

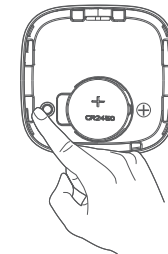


Add Device

1. Connect your phone to your home Wi-Fi.
2. Add gateway to the App according to the gateway user guide.
3. After the gateway is successfully added, open the "iHORN Smart Life" App, click to enter the gateway page, click "Add", select " Temperature & Humidity Sensor ", and follow the prompts for subsequent operations.
4. Open the back cover with the temperature and humidity sensor back cover clasp position and remove the battery insulation strip, the signal icon on the display will flash quickly, and the device automatically enters into the enrolling process.



5. Long press the button for 5 seconds, you can also enter into the sub-device enrolling process, the signal icon on the display will flash quickly.



6. Click "Confirmation signal icon rapidly blink" in the App, the gateway voice prompts to enter into the sub-device enrolling mode.

Reset the device first.

Power on and confirm
The signal icon flashes quickly



Resetting Devices >

Confirmation signal icon rapidly blink

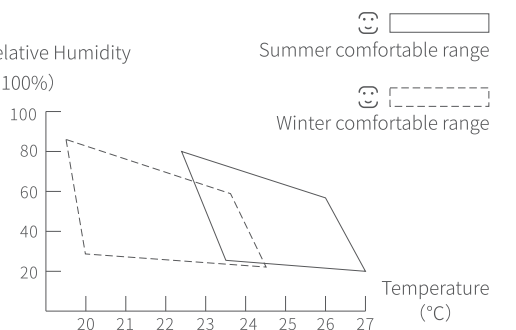
7. Wait for the temperature & humidity sensor to be added successfully.

Hereby, China Security & Fire IoT Sensing Co., Ltd. declares that the radio equipment type is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: <http://www.ihorn-tech.com/Service/Download.html>

Special instructions:
(1)The product comply with RF specifications and technical standards, which can be used in a small communication range;
(2)The product comply with the DOC statement.

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Comfortable temperature and relative humidity range



Temperature/Relative humidity comfortable range figure
(Refer to ASHRAE 55 standard)

Installation instruction

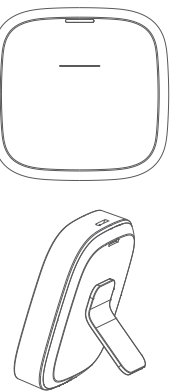
Put the products on the area that you want to detect its temperature and humidity, let stand for some time, then it will show the temperature and humidity.

- The product is indoor use only, please do not put it in the area that the temperature varies a lot (such as corridor, gates, windows), avoid inaccurate detection;
- Please do not put in high temperature and high humidity area, which will reduce its life or detection precision;
- Please do not cover the vent;
- Please do not use solvents to clean the product, clean it with a dry cloth.

1. Remove the bracket's 3M tape.



2. Stick the bracket on the back side of the sensor .



Function Instruction

1. The product should work with the gateway, and it need enroll when use for the first time or change the gateway.
2. The product real-time collects ambient temperature and humidity. When the temperature change over 0.1 degree, or the humidity change over 1%, the screen will refresh the temperature and humidity values. When the temperature change over 1 °C, or the humidity change over 3%, the latest temperature and humidity values will be sent to the gateway.
3. Double click the button to shift temperature unit, °C or °F.
- 4.The product has low voltage reminder function. When battery is low, it will send signal to gateway.

Technical parameter

Wireless protocol	ZigBee 3.0
Transmit frequency	2.4000~2.4835GHz
Transmit power	<10dBm
Temperature detecting range	-9.9°C~+55°C
Humidity detecting range	0-99%RH
Battery type	CR2450
Static current	<35μA
Working temperature	-10°C~+55°C
Working humidity	≤95%RH
Dimension	61.8×60×13.5mm

Restore Factory Setting

When the device is power on, keep pressing signal button for 5 seconds, the signal icon will flash quickly, and the temperature & humidity sensor automatically enters the pairing process after restoring factory settings.

Guarantee

Dear customer :
Thank you for choosing the equipments. Please read the instructions carefully before installation:

1. Our guarantee time is one year from the date you bought. Under the condition of correct operation following the manual, if fault happens during the warranty period, we'll repair for free. If fault happens in seven days, we can change for you for free.
2. The following conditions are not covered by the warranty.We will charge the repair if there are below conditions during warranty period:
 - The false caused by wrong operation or using environment.
 - The other faults that are not caused by our design, technology, quality and manufacturing.
 - Fault caused by working with the third party products, software and so on.
 - Improper installation, misuse, unauthorized repair, modification, accident, force majeure event or other external cause of failure or defect.
 - Product has exceeded warranty period.

The final interpretation right belongs to China Security & Fire IoT Sensing Co., Ltd.