Manuals+ — User Manuals Simplified.

THIRDREALITY UM_20221219
Temperature and Humidity Sensor

THIRDREALITY UM_20221219 Temperature and Humidity Sensor User Manual

Contents

THIRDREALITY UM_20221219 Temperature and Humidity Sensor

Product Overview

The Temperature and Humidity Sensor is designed to monitor and display temperature and humidity levels. It features a side button for easy operation and comes with a protective film to ensure durability.

Installation
To install the sensor, follow these steps

1. Press and hold the side button for 5 seconds to put the sensor into pairing mode.

FAQ

1. **Q: How do I switch between Celsius and Fahrenheit on the sensor?**

   A: Press the side button to toggle between Celsius and Fahrenheit temperature display.

2. **Q: What should I do if the sensor does not pair successfully?**

   A: If not paired within 3 minutes, press and hold

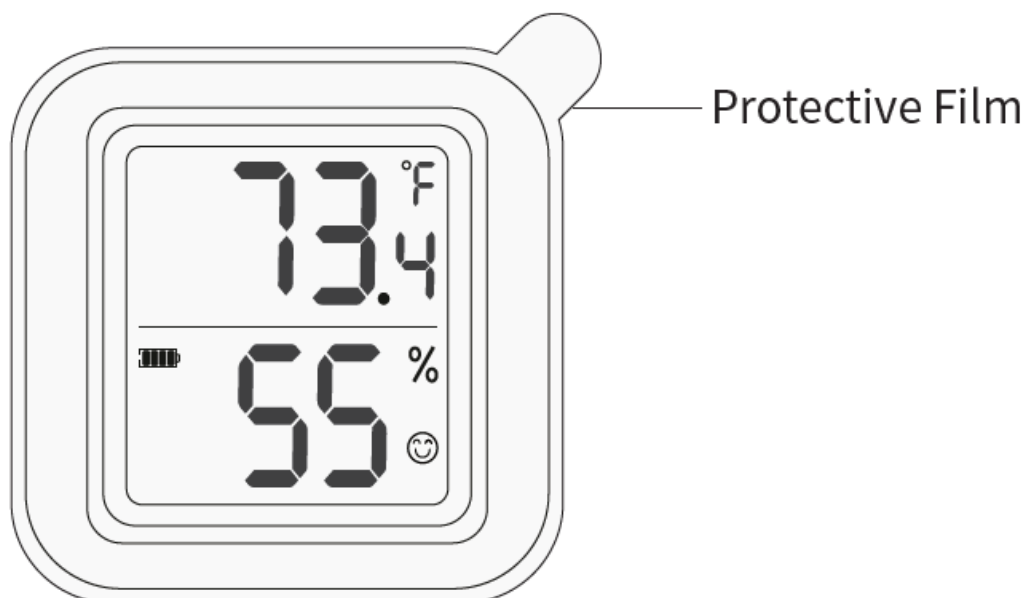   the side button for 5 seconds to put it back into pairing mode.

3. **Q: Can I create routines with the temperature sensor in Alexa app?**

   A: No, you can only read temperature readings but not create routines with the sensor in Alexa app.
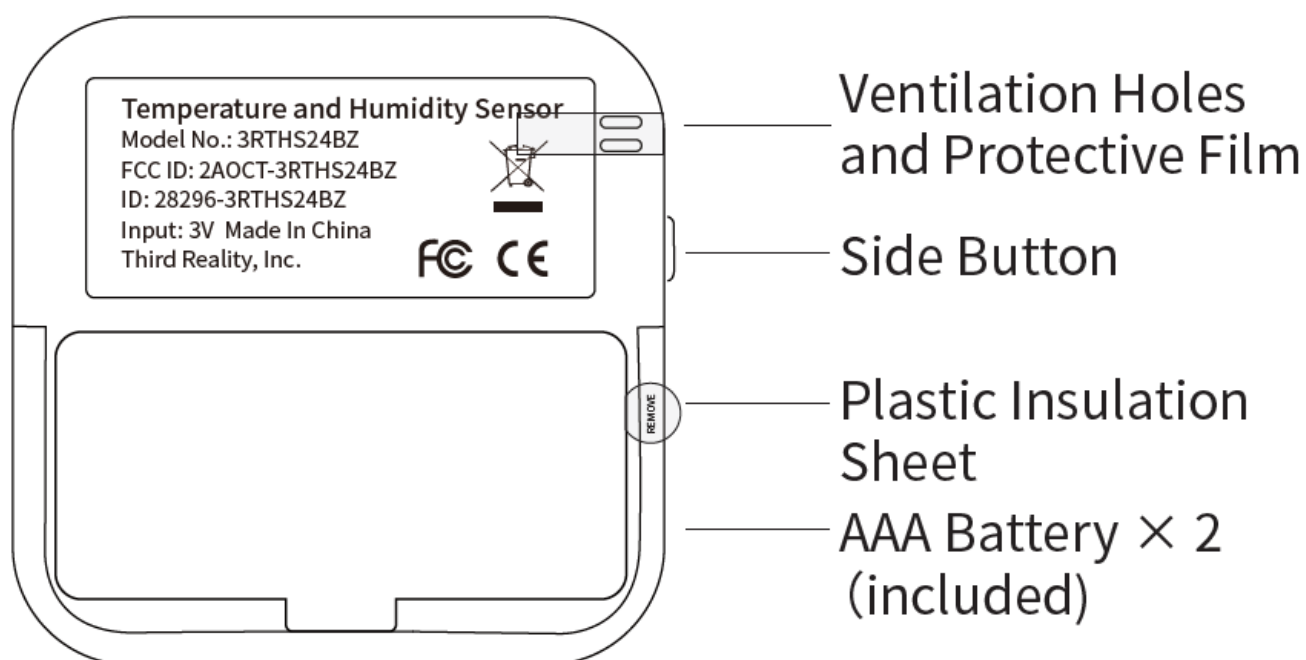
Temperature and Humidity Sensor
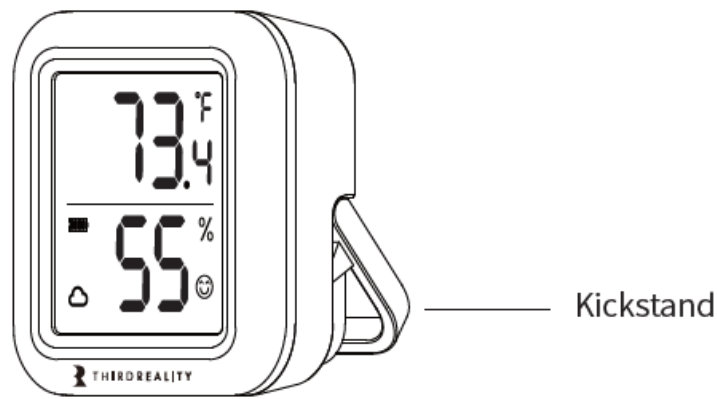**User Manual**

Product Overview

Front View

Protective Film

Rear View

Temperature and Humidity Sensor
Model No.: 3RTHS24BZ
FCC ID: 2AOCT-3RTHS24BZ
ID: 28296-3RTHS24BZ
Input: 3V Made In China
Third Reality, Inc.

Ventilation Holes
and Protective Film

Side Button

Plastic Insulation
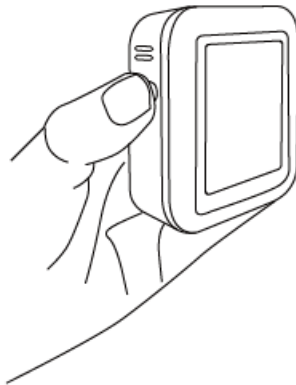Sheet

AAA Battery × 2
(included)

Installation

Kickstand

Side Button

1. Press and hold the side button for 5 seconds and release to put the sensor into pairing mode.
2. Press the side button to switch the temperature display between Celsius and Fahrenheit.

Setup

1. Remove the protective film on the ventilation holes, remove the kickstand on the back of the Temperature and Humidity Sensor carefully, open the battery cover on the back, remove the plastic insulation sheet and the sensor is powered on, the blinking cloud icon on the the LCD screen indicates the sensor is in pairing mode.
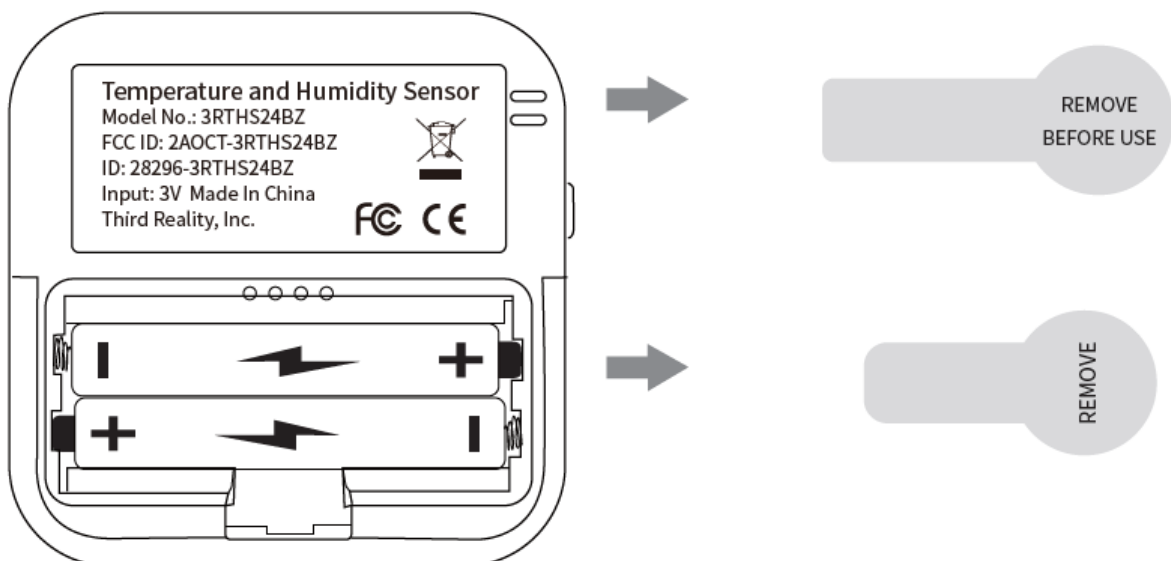
2. A solid cloud icon ⛅ on the LCD screen indicates the pairing process is successfully completed.
3. Please note that if not successfully paired within 3 minutes, the sensor will quit pairing mode. Press and hold the side button for 5 seconds and release the hold to put it into paring mode again.

Specifications

Name	Temperature and Humidity Sensor
Model	3RTHS24BZ
LCD Screen	41.5mm × 38.0mm
Dimensions	61.5mm × 61.5mm × 18mm
Net Weight	64g
Operating Voltage	DC 3V
Battery Type	AAA battery × 2 (included)
Wireless Connectivity	ZigBee 3.0
Working condition	Indoor Use Only
Temperature Range	-10℃~50℃ 14℉~122℉
Humidity Range	0-95%
Temperature Accuracy	±1℃
Humidity Accuracy	±2%

Pairing with Third Reality

App: Third Reality App
Hub: Third Reality Smart Hub

Pair the Temperature and Humidity sensor with Third Reality Smart Hub.

Pairing steps

1. Register and sign in your THIRDREALITY account, and add the THIRDREALITY hub.
2. Remove the kickstand on the back of the Temperature and Humidity Sensor carefully, open the battery cover on the back, remove the plastic insulation sheet and the sensor is powered on; Or press and hold the side button on the left side of the sensor for 5 seconds and release the hold; The blinking cloud icon on the the LCD screen indicates the sensor is in pairing mode.
3. Tap "+" in the upper right in THIRDREALITY App, scroll down to choose the Temperature and Humidity Sensor

Icon and follow the on-screen instructions to start the pairing process.
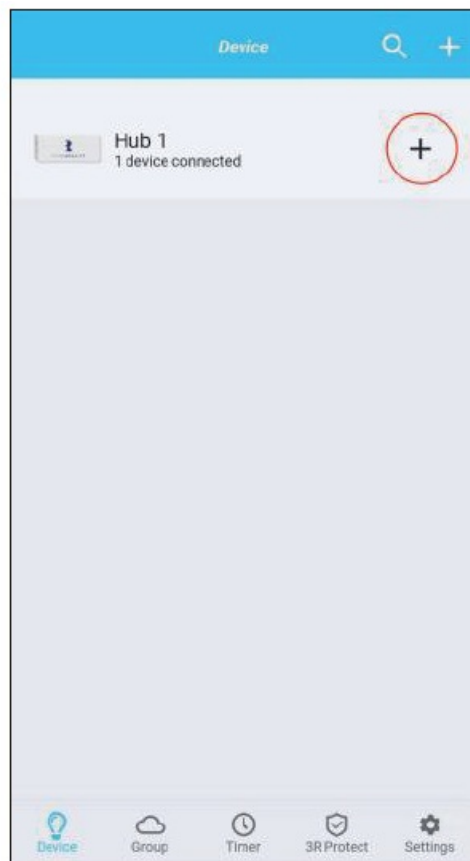
4. The sensor will be discovered within one minute as "Temperature and Humidity Sensor 1" , the temperature and humidity data will be displayed in the device list .

5. Tap the Temperature and Humidity Sensor icon to enter the device page, you can see information like the MAC ad dress, battery level, software version and history records etc, you can also rename the Temperature and Humidity Sensor, and check for software updates.
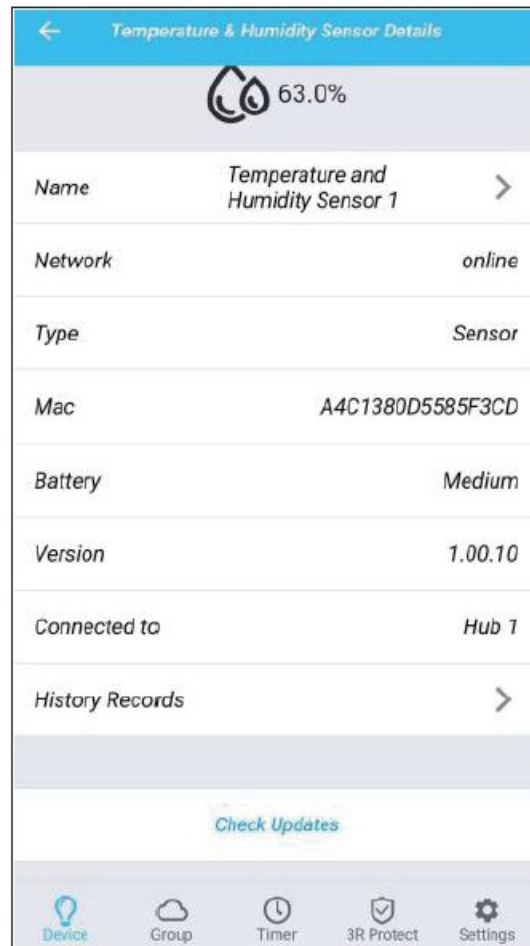
6. When enable skills in you Alexa app after pairing the Temperature and Humidity Sensor to the hub, you can only read the temperature readings, but not able to create routines with the temperature sensor in your Alexa app.

Pairing with Amazon Echo

App: Amazon Alexa App

Pairing with Echo devices with built-in ZigBee hubs such As Echo V4, Echo Plus V1 and V2, Echo Studio, and Eero 6 and 6 pro.
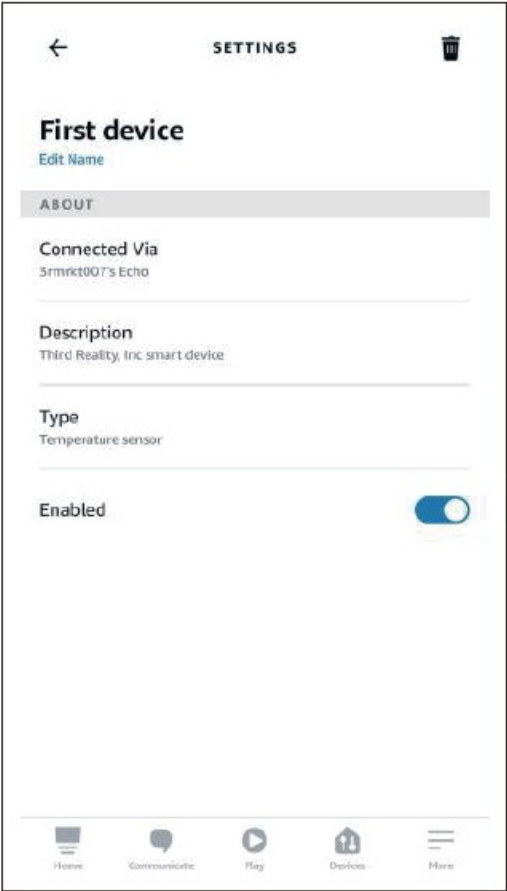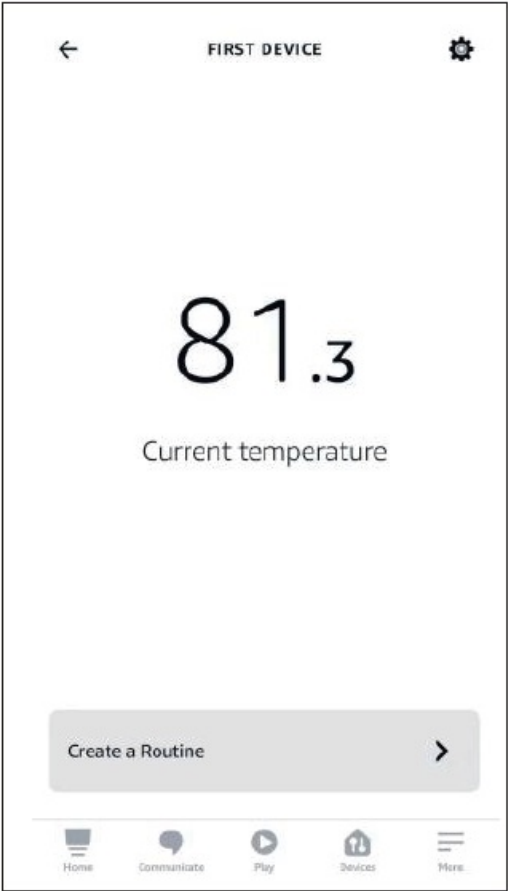
Pairing steps

1. Ask Alexa to check for updates before pairing.
   Remove the kickstand on the back of the Temperature and Humidity Sensor carefully, open the battery cover on the back, remove the plastic insulation sheet and the sensor is powered on; Or press and hold the side button on the left side of the sensor for 5 seconds and release the hold; The blinking cloud icon on the the
2. LCD screen indicates the sensor is in pairing mode.
3. Ask Alexa to discover devices, or open Alexa App, go to device page, tap "+" on top right, choose "Add Device", scroll down to the bottom and tap "other", tap "DISCOVER DEVICES", the Temperature and Humidity Sensor

will be paired with your Echo device in a few seconds.

4. Tap device icon to enter the device page, tap the setting icon to enter the settings page, you can edit the name of the sensor; Or you can create routines with the sensor to control other connected devices.
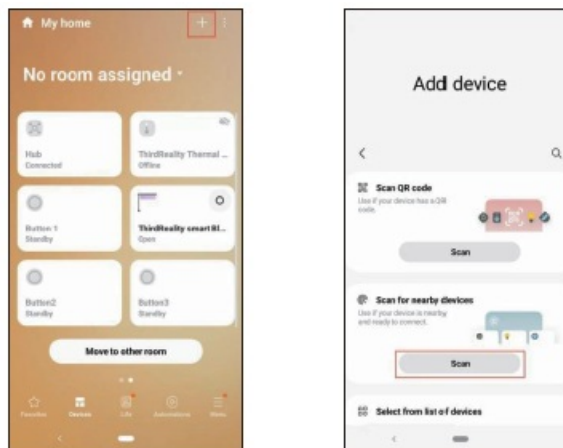
Pairing with SmartThings

App: SmartThings App

Devices: SmartThings Hub 2nd Gen(2015) and 3rd Gen.(2018), Aeotec Smart Home Hub.

Pairing steps

1. Before pairing, check for updates to make sure the Smart-Things Hub firmware is up to date.
2. Remove the kickstand on the back of the Temperature and Humidity Sensor carefully, open the battery cover on the back, remove the plastic insulation sheet and the sensor is powered on; Or press and hold the side button on the left side of the sensor for 5 seconds and release the hold; The blinking cloud icon on the the LCD screen indicates the sensor is in pairing mode.
3. Open the SmartThings App, tap "+" on the upper right corner to "Add device" and then tap "Scan" to "Scan for nearby devices".

4. The Smart Button will be paired with the SmartThings hub in a few seconds.
5. Create routines to control connected devices.
6. When enable skills in you Alexa app after pairing the Temperature and Humidity Sensor to the hub, you can only read the temperature readings, but not able to create routines with the temperature sensor in your Alexa app.

How to add SmartThings drivers for Third Reality T&H Sensor

1. Open this link in your PC browser. **https://bestow-regional.api.smartthings.com/invite/adM-Kr50EXzj9**
2. Log in your SmartThings Account.
3. Click "Enroll" –"Available Drivers" — "Install" to install the device driver as needed.

4. Reboot your SmartThings hub by powering it off and power it on again.

5. "Scan for Nearby Devices" in SmartThings App to pair the THIRDRELAITY devices with your SmartThings hub.

6. You can change the driver of the sensor in the SmartThings App.

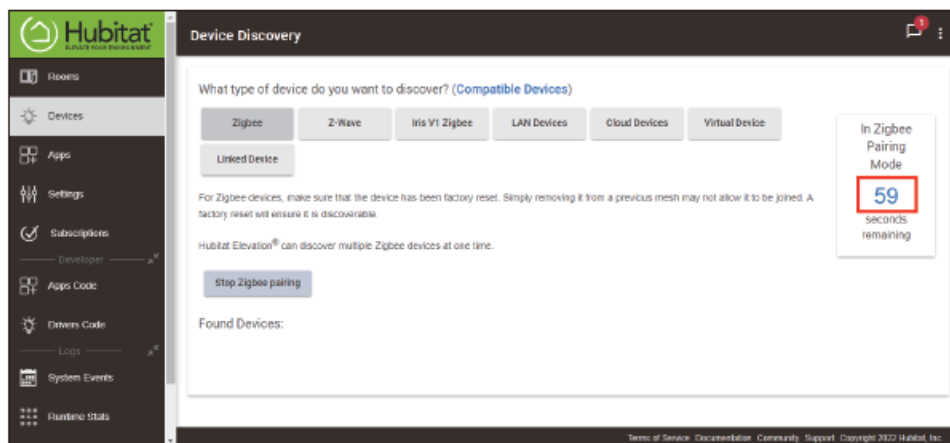**Pairing with Hubitat**
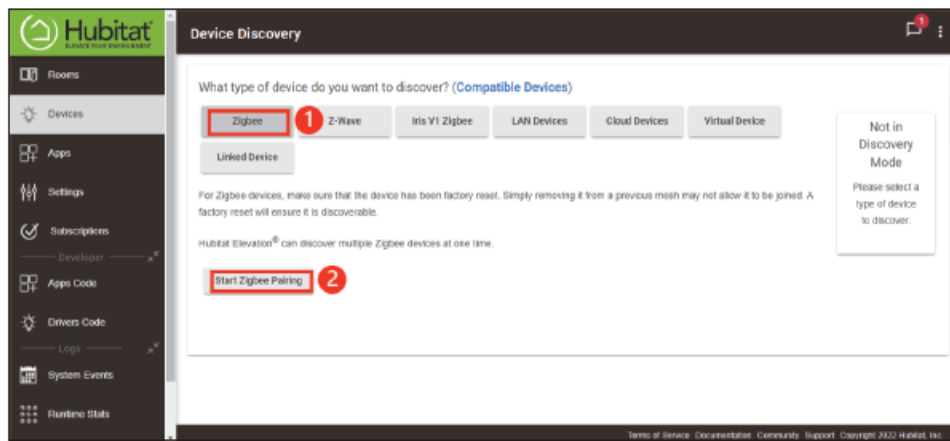Website: **http://find.hubitat.com/**

Pairing steps

1. Remove the kickstand on the back of the Temperature and Humidity Sensor carefully, open the battery cover on the back, remove the plastic insulation sheet and the sensor is powered on; Or press and hold the side button on the left side of the sensor for 5 seconds and release the hold; The blinking cloud icon on the the LCD screen indicates the sensor is in pairing mode.

2. Visit your Hubitat Elevation hub device page from your web browser, select the Devices menu item from the sidebar, then select Discover Devices in the upper right.

3. Click Start ZigBee Pairing button after you select a ZigBee device type, the Start ZigBee Pairing button will put the hub in ZigBee pairing mode for 60 seconds.
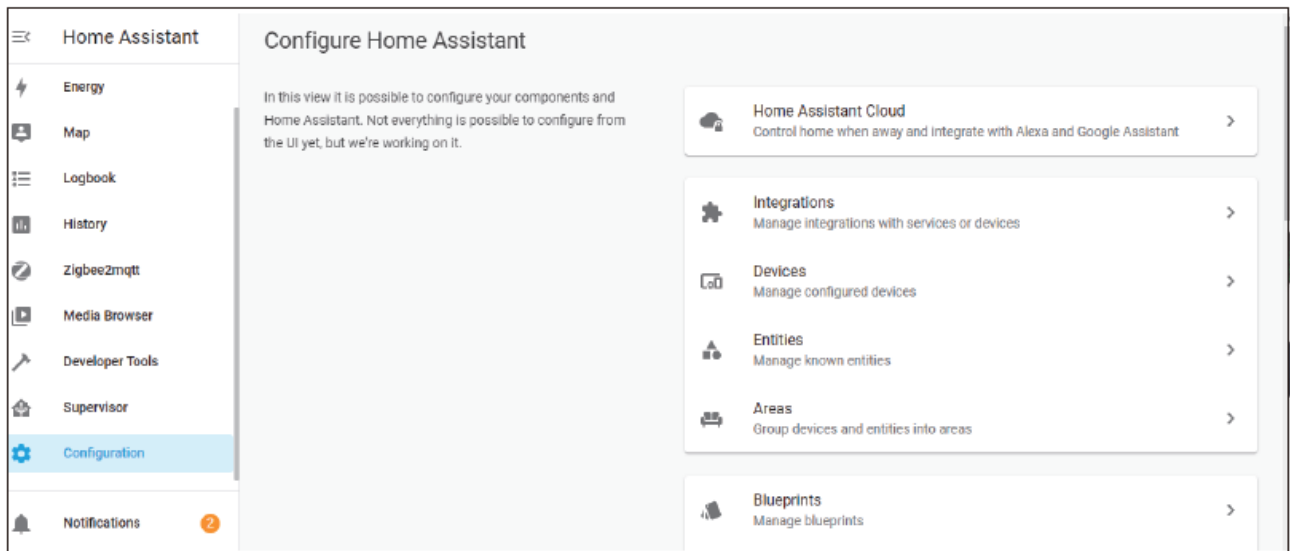
4. After pairing process is completed successfully, you can rename it if needed.
5. Now you can see the Temperature and Humidity Sensor on the Devices page.

Pairing with Home Assistant

Pairing steps

1. Remove the kickstand on the back of the Temperature and Humidity Sensor carefully, open the battery cover on the back, remove the plastic insulation sheet and the sensor is powered on, the blinking cloud icon on the the LCD screen indicates the sensor is in pairing mode.
2. Make sure Home Assistant Integrations ZigBee Home Automation Setup is ready, then go to the "Configuration" page, click "integration".

3. Then click the "Devices" on the ZigBee item, the click "Add Devices".
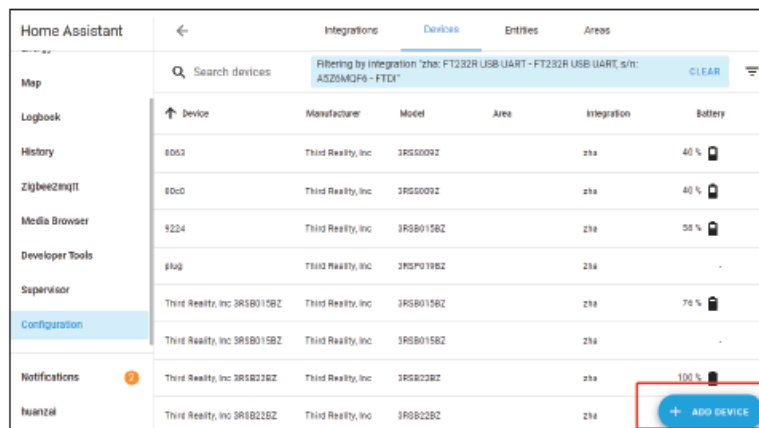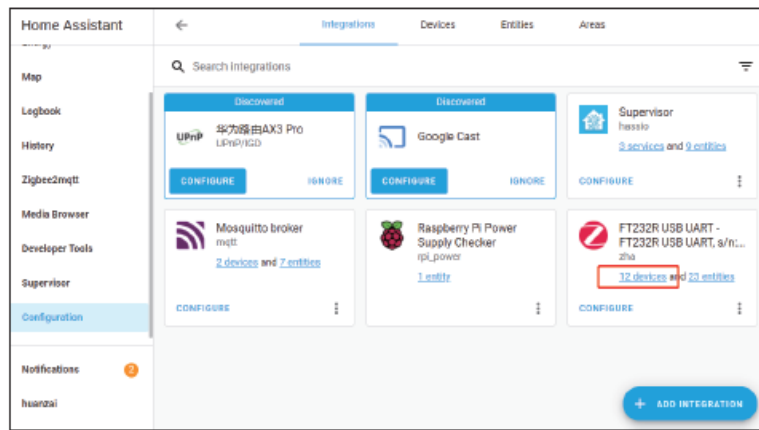
4. After the pairing is completed successfully, it will show up in the page.
5. Back to "Devices" page, then you can find the Temperature and Humidity Sensor added.
6. Click to enter in the control interface to set the Temperature and Humidity Sensor.
7. Click "+" belongs to Automation and then you can add different actions.

FAQ

1. **How to factory reset the Temperature and Humidity Sensor?**
   Press and hold the side button on the left side of the sensor for 5 seconds and release the hold, the blinking cloud icon on the the LCD screen indicates the sensor is in pairing mode.
2. **Why does the temperature fluctuate as I press the side button?**

The side button is located near the ventilation hole, so the temperature reading rises as your finger press the side button, you need to wait for 20 seconds before the temperature reading returns to normal.

3. **The LCD screen gets dirty, how to clean it?**

   You can clean the LCD screen with alcohol wipes or damp soft cloth, prevent water from getting into the monitor when cleaning it.

4. **What is the battery life?**

   1 year battery life with typical usage.

FCC regulatory conformance

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.

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 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 important announcements.

NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

RF Exposure
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.
This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Limited Warranty

- For limited warranty, please visit **www.3reality.com/device-support**
- For customer support, please contact us at **info@3reality.com** or visit **www.3reality.com**
- For help and troubleshooting related to Amazon Alexa, visit the Alexa app.

Documents / Resources

THIRDREALITY UM_20221219 Temperature and Humidity Sensor [pdf] User Manual
UM_20221219 Temperature and Humidity Sensor, UM_20221219, Temperature and Humidity Sensor, Humidity Sensor, Sensor

References

- **Quick Start Guide**
- **ThirdReality**
- **Device Support – ThirdReality**
- **User Manual**