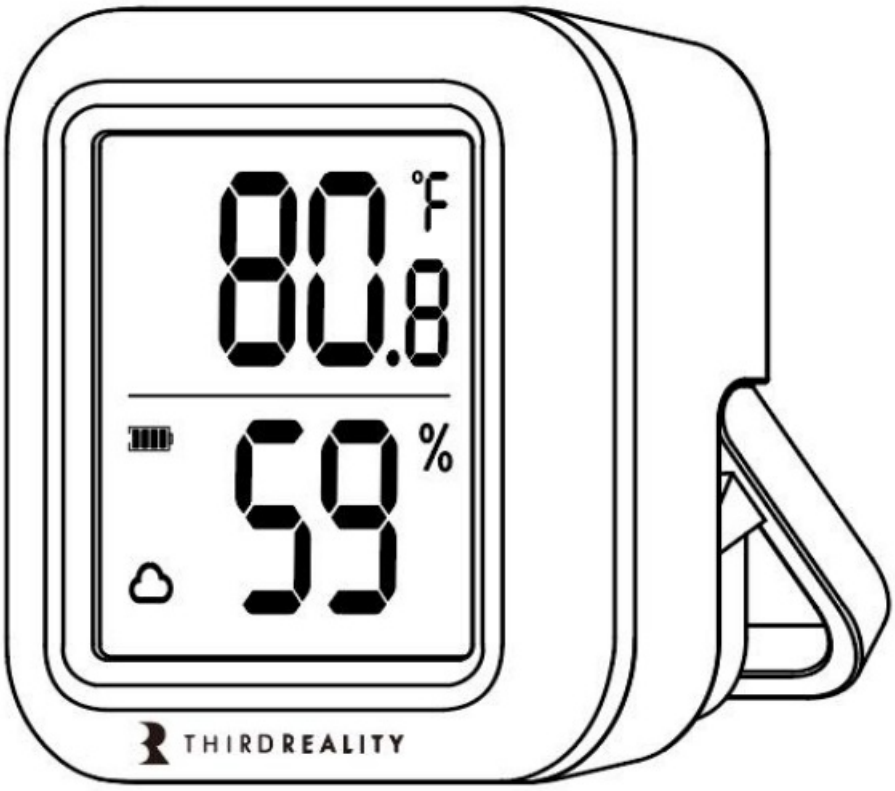
THIRD REALITY 3RTHS24BZ Temperature and Humidity Sensor User Manual

THIRD REALITY

Temperature & Humidity Sensor

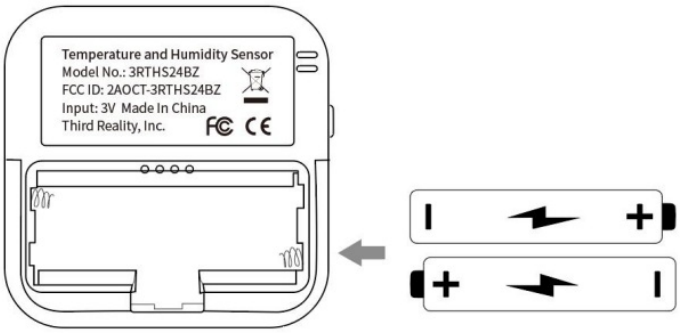


User Manual

Contents

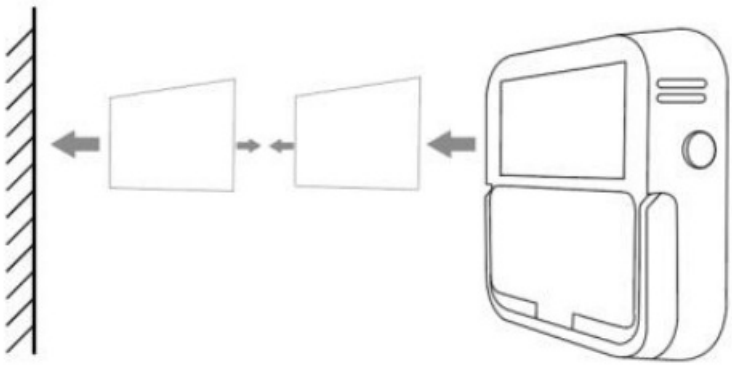
Product Overview

Front View



Rear View

Installation



Reset Button

1. Press and hold the reset button on the left side of the sensor for 10 seconds and release the hold.
2. Single press the reset button to switch the temperature display between Celsius and Fahrenheit.

Specifications

Name	Temperature and Humidity Sensor
Model	3RTHS24BZ
LED Screen	48.5mm x 41.0 mm
Dimensions	6.15cmx6.15cmx1.8cm
Net Weight	64g
Operating Voltage	DC 3V
Battery Type	AAA battery x 2 (included)
Wireless Connectivity	ZigBee 3.0 2405~2480MHz

Setting up

Initializing Temp & Humidity Sensor
Power on: Remove the plastic stand on the back of the Temp & 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 LED screen indicates the sensor is in pairing mode.

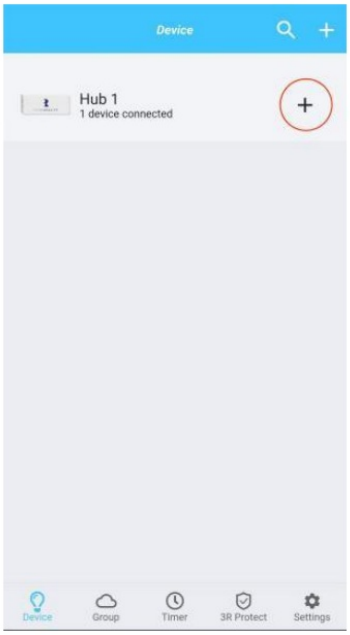
1. Pairing mode: press and hold the reset button on the left side of the sensor for 5 seconds and release the hold, the blinking cloud icon on the LED screen indicates the sensor is in pairing mode.
2. Follow the on-screen instructions to set up your Temperature & Humidity Sensor.

Pairing with THIRDREALITY

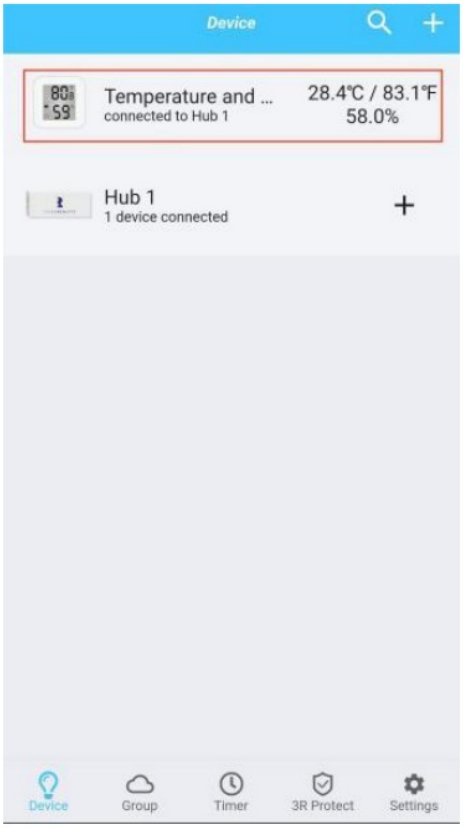
Hub: Third Reality Smart Hub
App: Third Reality App

Pair the Temp & Humidity sensor with the Third Reality Smart Hub.
Pairing

1. Register and sign in to your THIRDREALITY account, and add the THIRDREALITY hub.
2. Remove the plastic stand on the back of the Temp & 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 reset button on the left side of the sensor for 5 seconds and release the hold; The blinking cloud icon on the LED screen indicates the sensor is in pairing mode.
3. Tap “+” in the upper right in THIRDREALITY App, scroll down to choose the Temp & 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” , and the temperature and humidity data will be displayed in the device list.

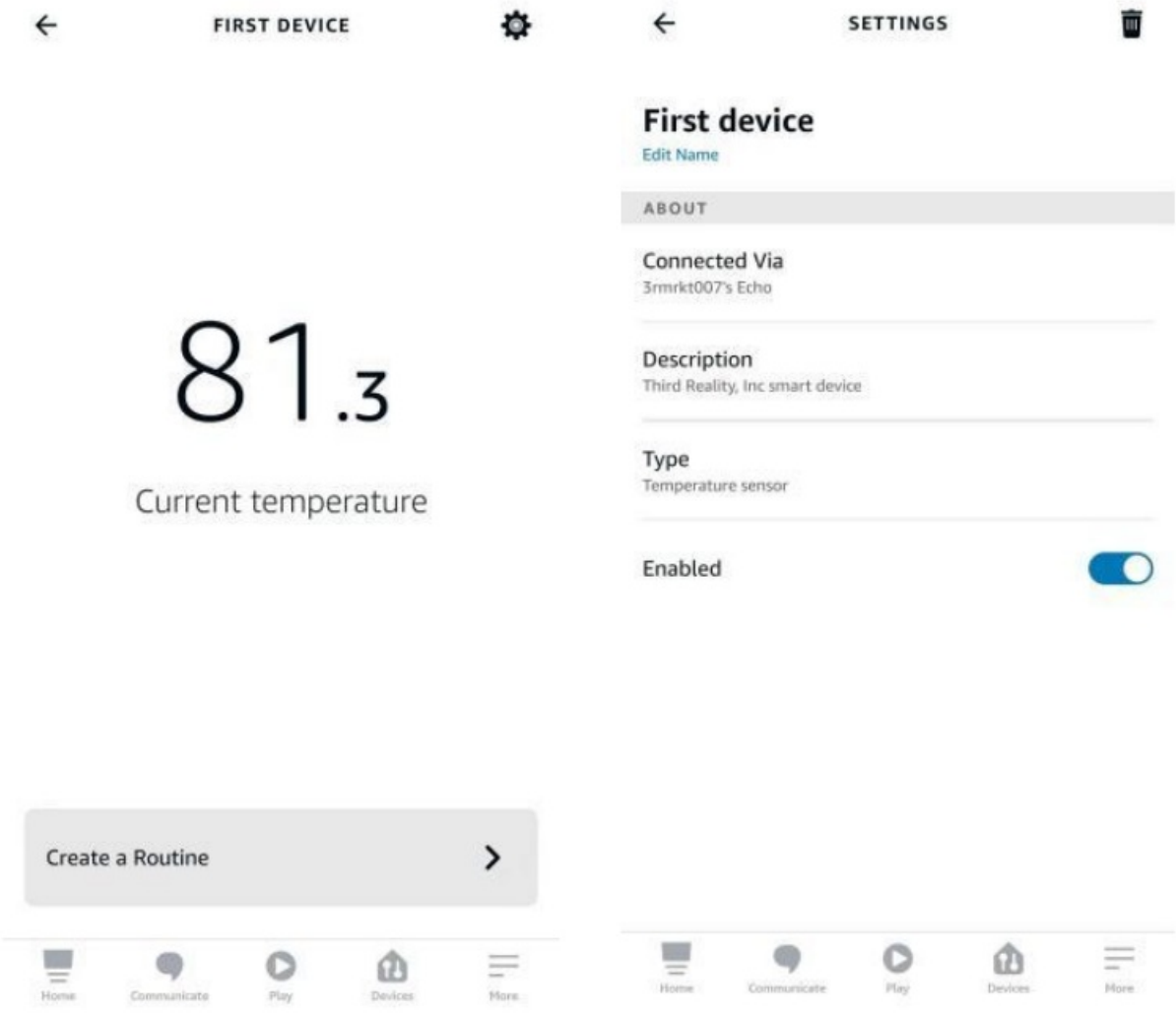


5. Tap the Temp & Humidity Sensor icon to enter the device page, you can see information like the MAC address, battery level, software version, and history records, etc, you can also rename the Temp & Humidity Sensor, and check for software updates.

Pairing with Amazon Echo
App: Amazon Alexa App
Devices: Echo devices with built-in ZigBee hubs such As Echo V4, Echo Plus V1 & V2, Echo Studio, Echo Show 10, and Eero 6 & 6 pro.

1. Ask Alexa to check for updates before pairing.
2. Remove the plastic stand on the back of the Temp & 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 reset button on the left side of the sensor for 5 seconds and release the hold; The blinking cloud icon on the LED screen indicates the sensor is in pairing mode.
3. Ask Alexa to discover devices or open Alexa App, go to the device page, tap “+” on the top right, choose “Add Device”, scroll down to the bottom and tap “other”, tap “DISCOVER DEVICES”, the Temp & Humidity Sensor will be paired with your Echo device in a few seconds.

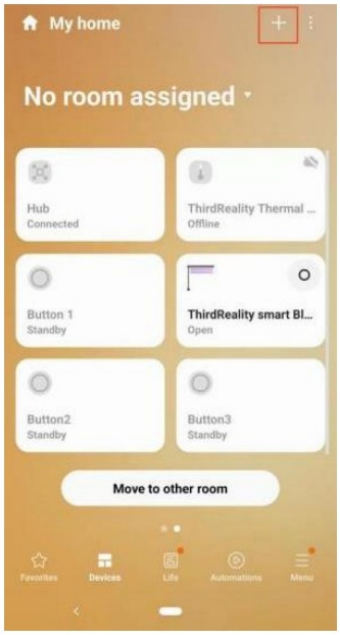
4. Tap the device icon to enter the device page, tap the setting icon to enter the settings page, you can edit the name of the sensor, Or you can create routines with the sensor to control other connected devices.

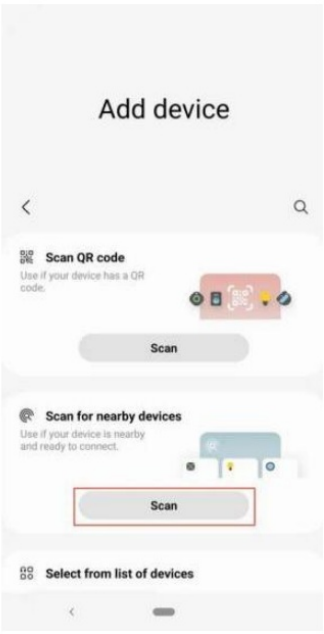


Pairing with SmartThings

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

1. Before pairing, check for updates to make sure the SmartThings Hub firmware is up to date.
2. Remove the plastic stand on the back of the Temp & 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 reset button on the left side of the sensor for 5 seconds and release the hold; The blinking cloud icon on the LED 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.

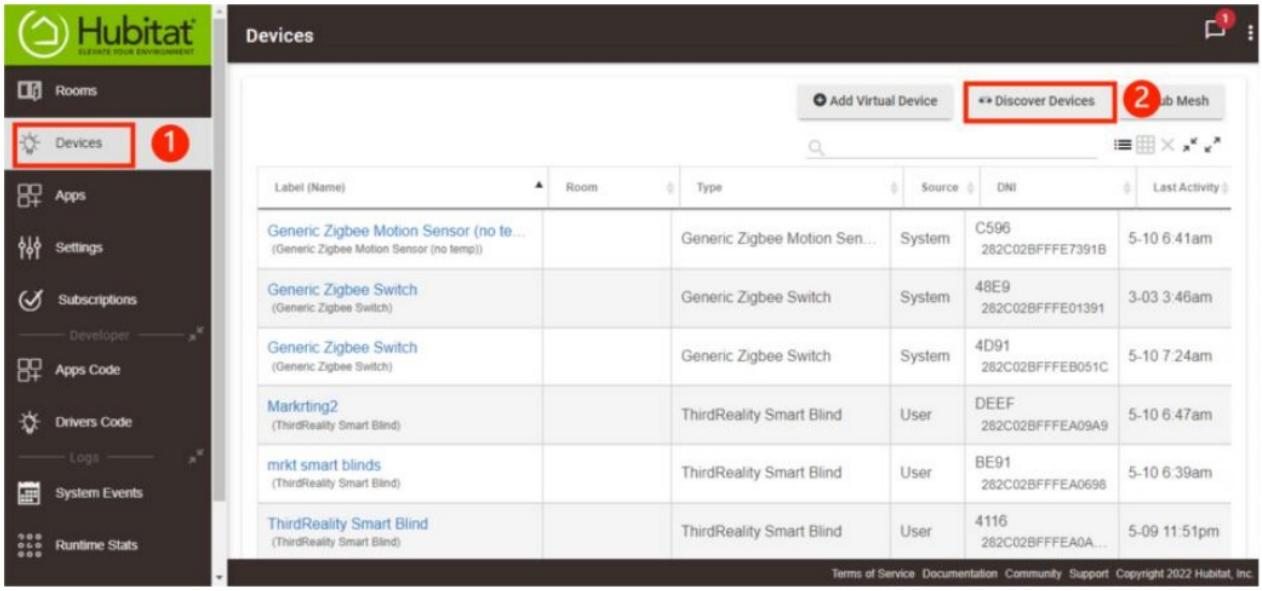
Pairing with Habitat
Website: http://find.hubitat.com/

Pairing Steps:

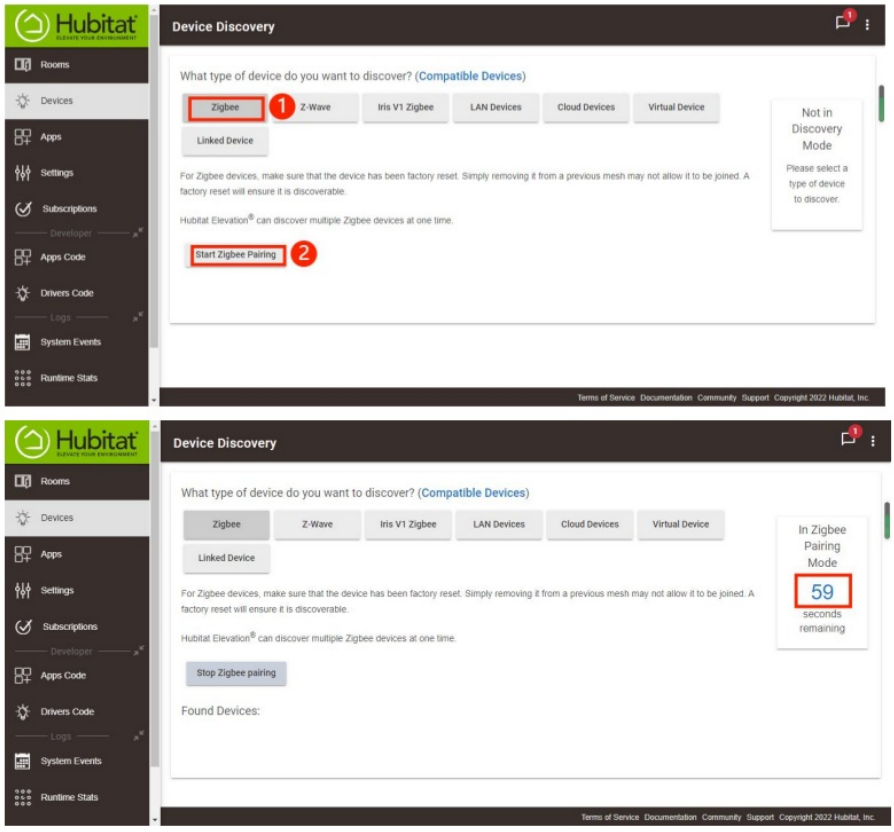
1. Remove the plastic stand on the back of the Temp & Humidity Sensor carefully, open the battery cover on the back, remove the plastic insulation sheet, and the sensor is powered on; Or Press and hold the reset button on

the left side of the sensor for 5 seconds and release the hold; The blinking cloud icon on the LED screen indicates the sensor is in pairing mode.

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



3. Click the 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.

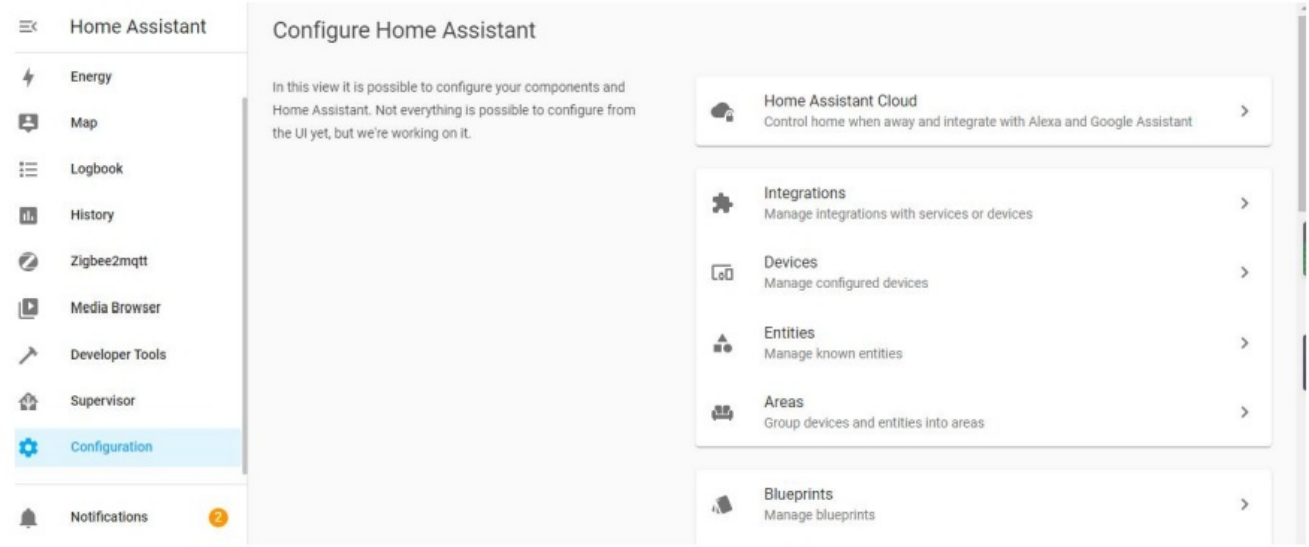


4. After the pairing process is completed successfully, you can rename it if needed.
5. Now you can see the Temp & Humidity Sensor on the Devices page.

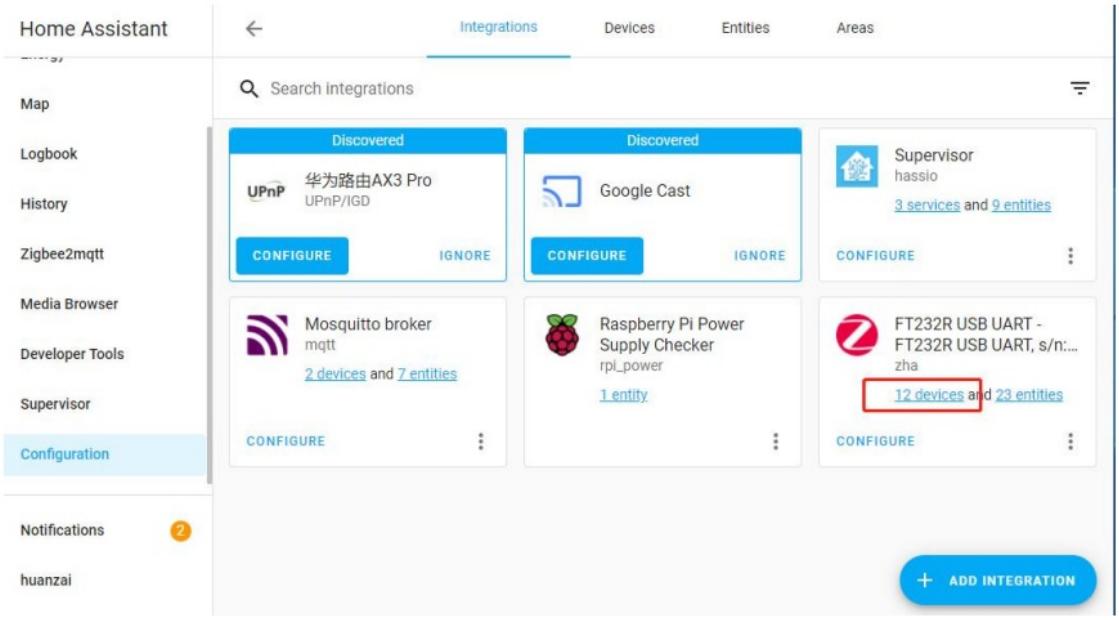
Pairing with Home Assistant

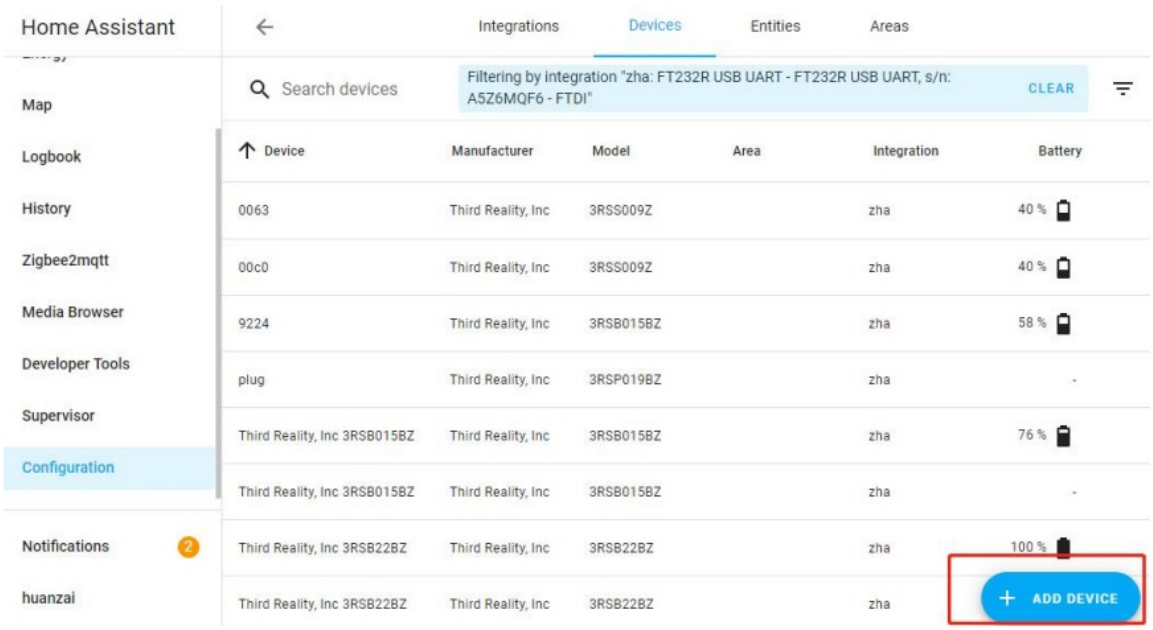
Pairing steps

1. Remove the plastic stand on the back of the Temp & Humidity Sensor carefully, open the battery cover on the back, remove the plastic insulation sheet, and the sensor is powered on, and the blinking cloud icon on the LED 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, and click “integration”.



3. Then click the “Devices” on the ZigBee item, then click “Add Devices”.





4. After the pairing is completed successfully, it will show up in the page.
5. Back to the “Devices” page, then you can find the Temp & Humidity Sensor added.
6. Click to enter in the control interface to set the Temp & Humidity Sensor.
7. Click “+” belongs to Automation and then you can add different actions.

FAQ

Q1 How to factory reset the Temp & Humidity Sensor?

– Press and hold the reset button on the left side of the sensor for 5 seconds and release the hold, the blinking cloud icon on the LED screen indicates the sensor is in pairing mode.

Q2 Why does the temperature fluctuate as I press the reset button?

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

Q3 The LED screen gets dirty, how to clean it?

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

Limited Warranty

For a limited warranty, please visit **www.3reality.com/devicesupport**
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.

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, and (2) this device must accept any interference received, including interference that may cause undesired operation.
Any 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. This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator & your body

INDUSTRY CANADA STATEMENT:
This device complies with Industry Canada licence-exempt RSS standard(s). 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 of the device. In addition, this device complies with ICES-003 of the Industry Canada (IC) Rules. Any 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 Industry Canada licence-exempt RSS standard(s). 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.

This equipment complies with RSS-102 radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance 20cm between the radiator & your body.

Documents / Resources

	THIRD REALITY 3RTHS24BZ Temperature and Humidity Sensor [pdf] User Manual 3RTHS24BZ, 2AOCT-3RTHS24BZ, 2AOCT3RTHS24BZ, Temperature and Humidity Sensor, 3 RTHS24BZ Temperature and Humidity Sensor, Temperature Sensor, Humidity Sensor, Sensor
	THIRD REALITY 3RTHS24BZ Temperature and Humidity Sensor [pdf] User Manual 3RTHS24BZ, 3RTHS24BZ Temperature and Humidity Sensor, Temperature and Humidity Sens or, Humidity Sensor, Sensor

References

- Quick Start Guide
- Smart Hardware | IOT platform | Third Reality, inc | China
- Device Support | 3reality-Live Update