Temperature and Humidity Sensor

User Manual



THIRDREALITY

Index

Product Overview 1

Installation 2

Side Button 3

Setup 3

Specifications 4

Pairing with THIRDREALITY 5

Pairing with Amazon Echo 8

Pairing with SmartThings 10

Pairing with Hubitat 12

Pairing with Home Assistant 14

FAQ 16

FCC regulatory conformance 17

RF Exposure 17

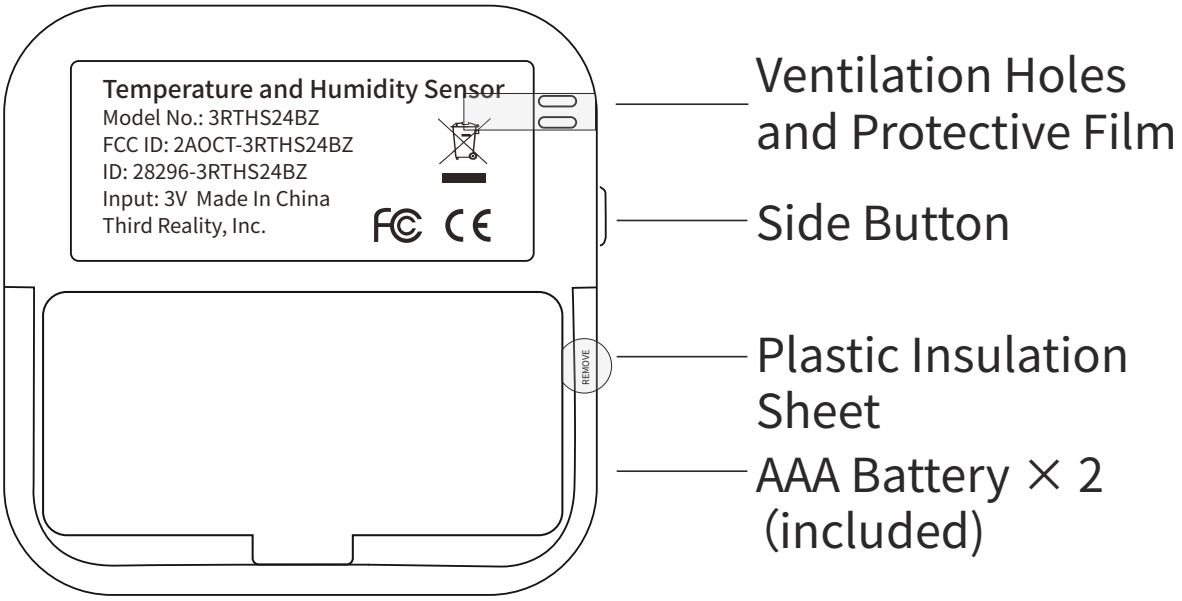
Limited Warranty 17

Product Overview

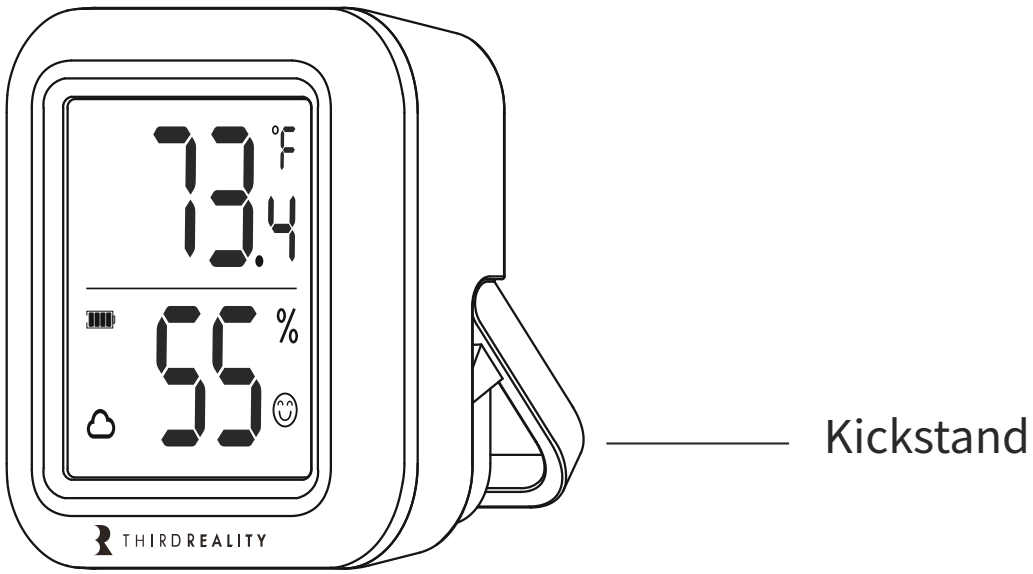
Front View



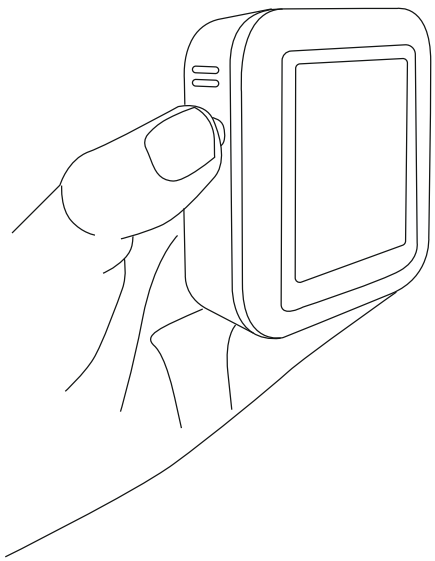
Rear View



Installation



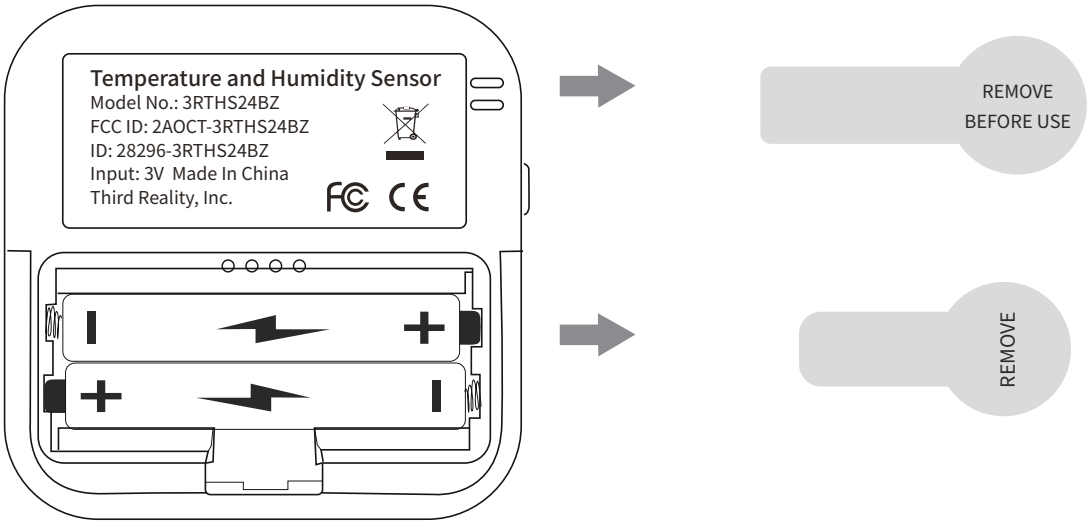
Side Button



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°C~50°C（14°F~122°F）
Humidity Range	0-95%
Temperature Accuracy	±1°C
Humidity Accuracy	±2%

Pairing with Third Reality

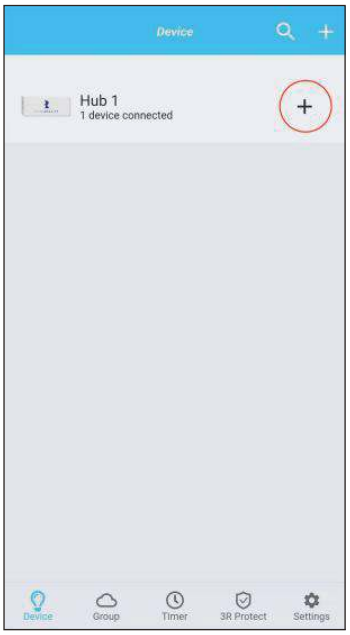
App: Third Reality App
Hub: Third Reality Smart Hub



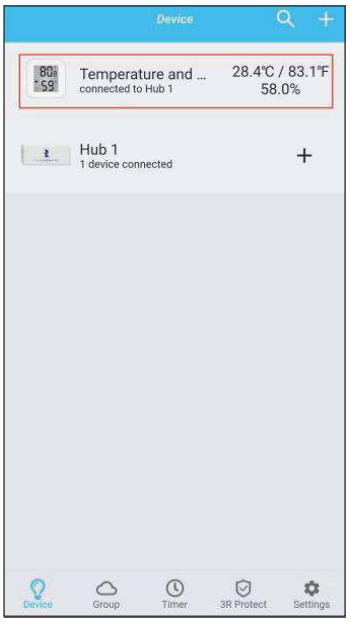
Pair the Temperature and Humidity sensor with Third Reality Smart Hub.

Pairing steps:

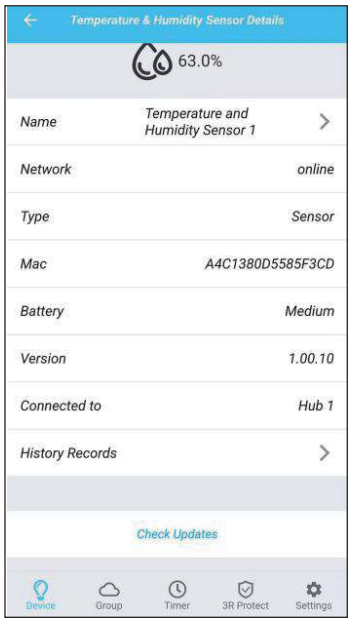
1) Register and sign in your THIRDREALITY account, and add the THIRDREALITY hub.
2) Remove the kickstand on the back of the Temperature and Humidity Sensor carefully, open the battery cover on the back, remove the plastic insulation sheet and the sensor is powered on; Or press and hold the side button 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 address, battery level, software version and history records etc, you can also rename the Temperature and Humidity Sensor, and check for software updates.



Pairing with Amazon Echo

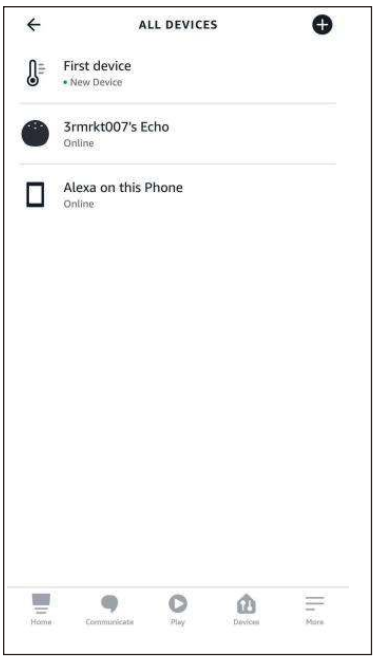
App: Amazon Alexa App



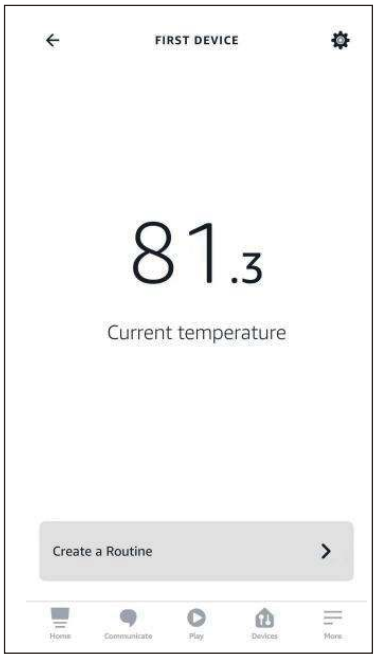
Pairing with Echo devices with built-in ZigBee hubs such As Echo V4, Echo Plus V1 and V2, Echo Studio, Echo Show 10, and Eero 6 and 6 pro.

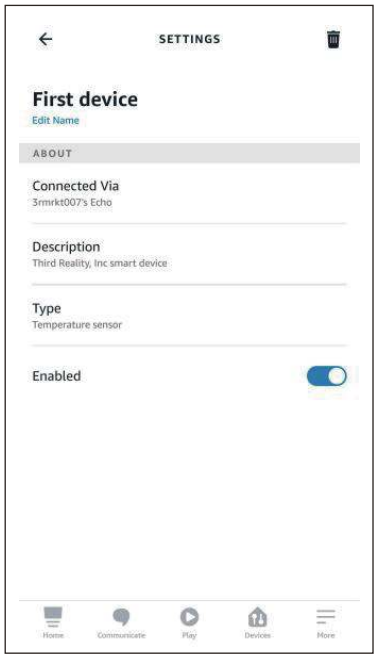
Pairing steps:

1) Ask Alexa to check for updates before pairing.
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) 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.





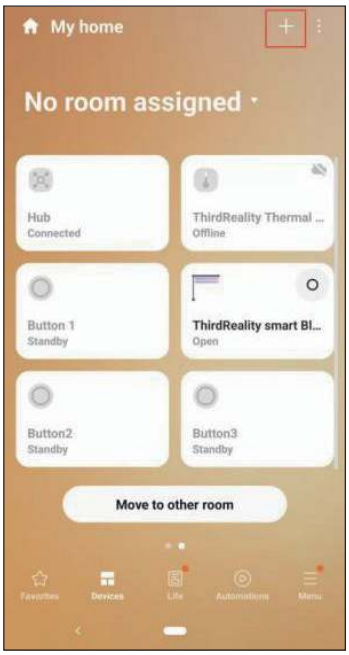
Pairing with SmartThings

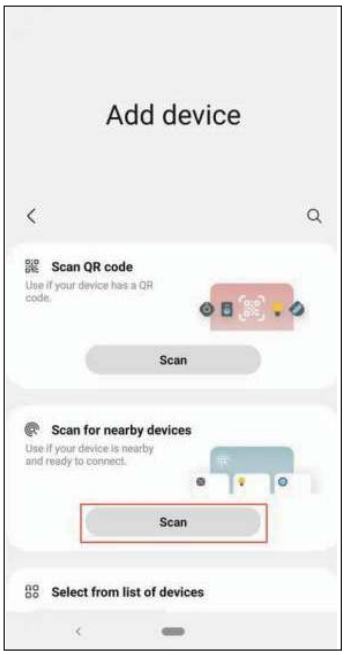
App: SmartThings App
Devices: SmartThings Hub 2nd Gen(2015) and 3rd Gen.(2018), Aeotec Smart Home Hub.



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”.





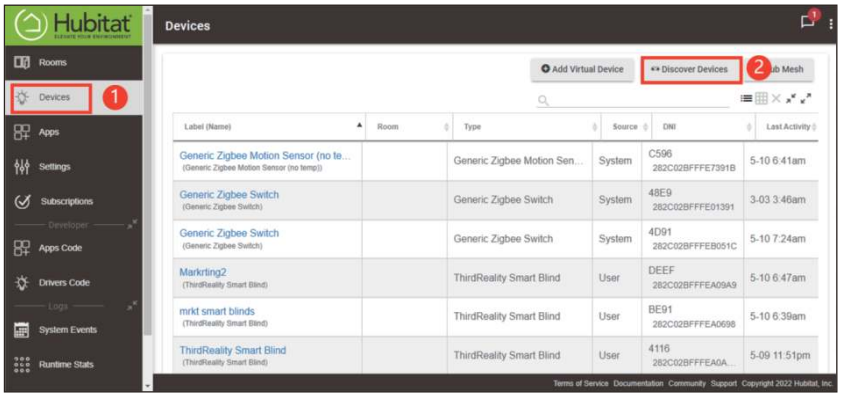
4) The Smart Button will be paired with the SmartThings hub in a few seconds.
5) Create routines to control connected devices.

Pairing with Hubitat

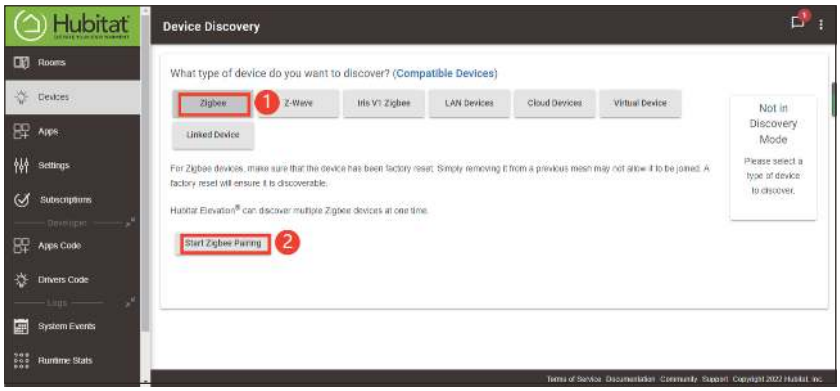
Website: http://find.hubitat.com/

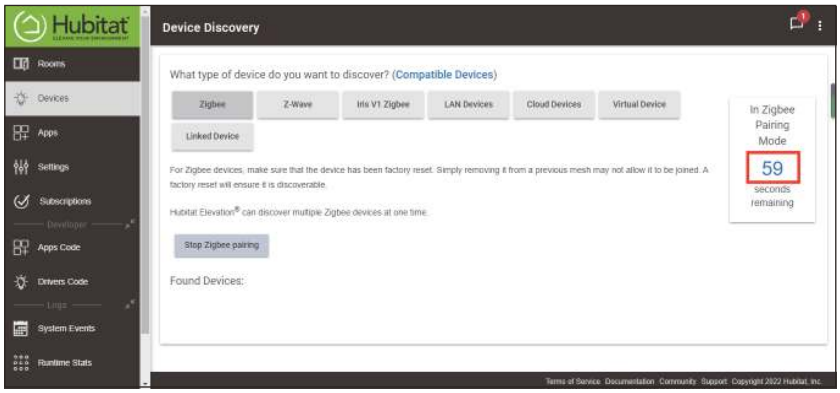
Pairing steps:

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 side-bar, 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.



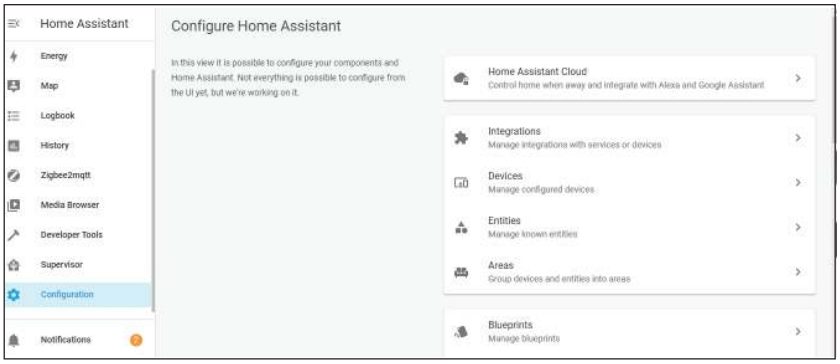


4) After pairing process is completed successfully, you can rename it if needed.
5) Now you can see the Temperature and Humidity Sensor on the Devices page.

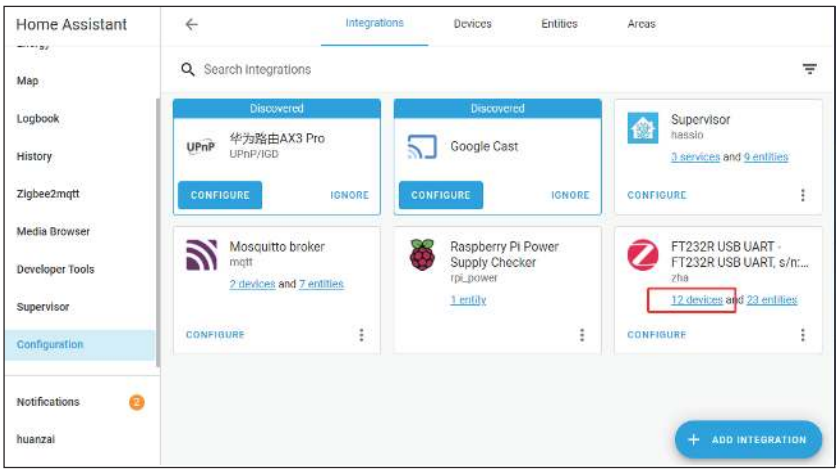
Pairing with Home Assistant

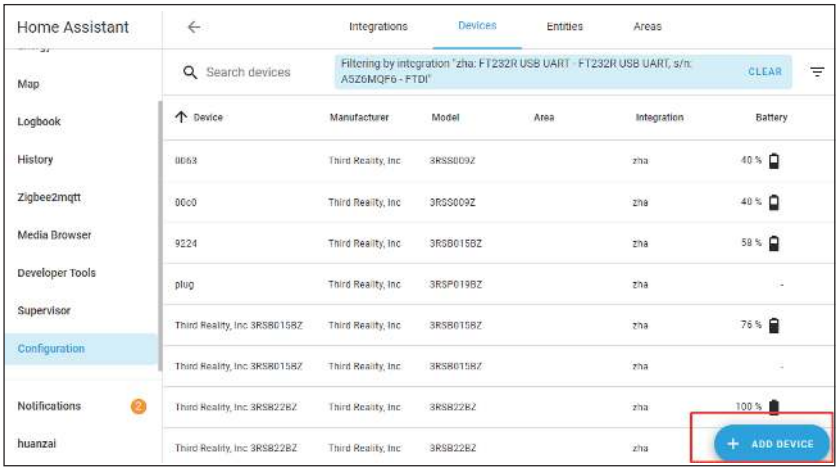
Pairing steps:

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

For troubleshooting, warranty and safety information, visit www.3reality.com/devicesupport

RF Exposure

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.
This equipment should be installed and operated with minimum distance of 20 cm between the radiator
and your body. 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/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.