

THIRDREALITY 3RTHS0224Z

THIRDREALITY Zigbee Temperature and Humidity Sensor Lite User Manual

Model: 3RTHS0224Z

Brand: THIRDREALITY

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, maintenance, and troubleshooting of your THIRDREALITY Zigbee Temperature and Humidity Sensor Lite. This device is designed to monitor environmental conditions in your home and integrate with compatible Zigbee smart home systems for enhanced automation.



THIRDREALITY Zigbee Temperature and Humidity Sensor Lite, front view. This compact white sensor features a thermometer and humidity droplet icon on its surface.

Key Features

- Accurate temperature and humidity monitoring.
- Long battery life (up to 2 years with 2 AAA batteries).
- Zigbee connectivity for smart home integration.
- Compact and mini size for versatile placement.
- Supports home automation routines.

Temperature and Humidity Sensor Lite



Accurate Sensor



°C/°F Switch



Long Battery Life



ZigBee Mode



Home Automation



Mini Compact Size



This image highlights the sensor's key features, including accurate readings, Celsius/Fahrenheit switching, extended battery life, Zigbee mode, home automation capabilities, and its compact design.

SETUP

1. Battery Installation

1. Locate the battery compartment on the back of the sensor.
2. Open the compartment cover.
3. Insert two AAA batteries, ensuring correct polarity.
4. Close the battery compartment cover securely.

2. Pairing with a Zigbee Hub

A Zigbee hub is required for this sensor to function and integrate with your smart home system. The hub is sold separately.

- Ensure your Zigbee hub is powered on and in pairing mode. Refer to your hub's manual for specific instructions on enabling pairing mode.

- On the sensor, press and hold the pairing button (usually located inside the battery compartment or on the side) for approximately 5 seconds until the LED indicator flashes. This indicates the sensor is in pairing mode.
- Once paired, the LED indicator will stop flashing or change color, depending on the sensor model. The sensor should appear in your Zigbee hub's application.

Compatible Zigbee Hubs: This sensor works with compatible Zigbee hubs or Echo devices with an integrated Zigbee hub, including:

- Echo (4th Generation), Echo Plus (1st and 2nd Generation), Echo Studio
- Eero 6, Eero Pro 6
- Home Assistant, SmartThings 2015/2018, Aeotec, Homey, Hubitat, Homey Bridge, Homey Pro
- THIRDREALITY Smart Bridge MZ1

ZigBee Standard Compatible

Temperature and Humidity Sensor Lite can directly connect with compatible devices



This image displays a range of Zigbee-compatible devices and hubs, illustrating the broad compatibility of the THIRDREALITY sensor with various smart home ecosystems.

3. Initial Placement

Place the sensor in your desired indoor location. The sensor is designed for indoor use only. Consider areas where temperature and humidity monitoring is critical, such as bedrooms, offices, wine cellars, or nurseries. The sensor

includes 3M adhesive backing for easy mounting.



This image illustrates various indoor applications for the sensor, including monitoring conditions in a bedroom, an office environment, and a wine cellar.

OPERATING INSTRUCTIONS

1. Environmental Monitoring

The sensor continuously monitors temperature and humidity. Data is refreshed approximately every 5 seconds, providing near real-time readings. It features a high-quality Sensirion industrial-grade sensor for precise measurements.

- **Temperature Accuracy:** ± 0.3 °C within a range of -15 °C to 50 °C.
- **Humidity Accuracy:** $\pm 2\%$ within a range of 0% to 100%.

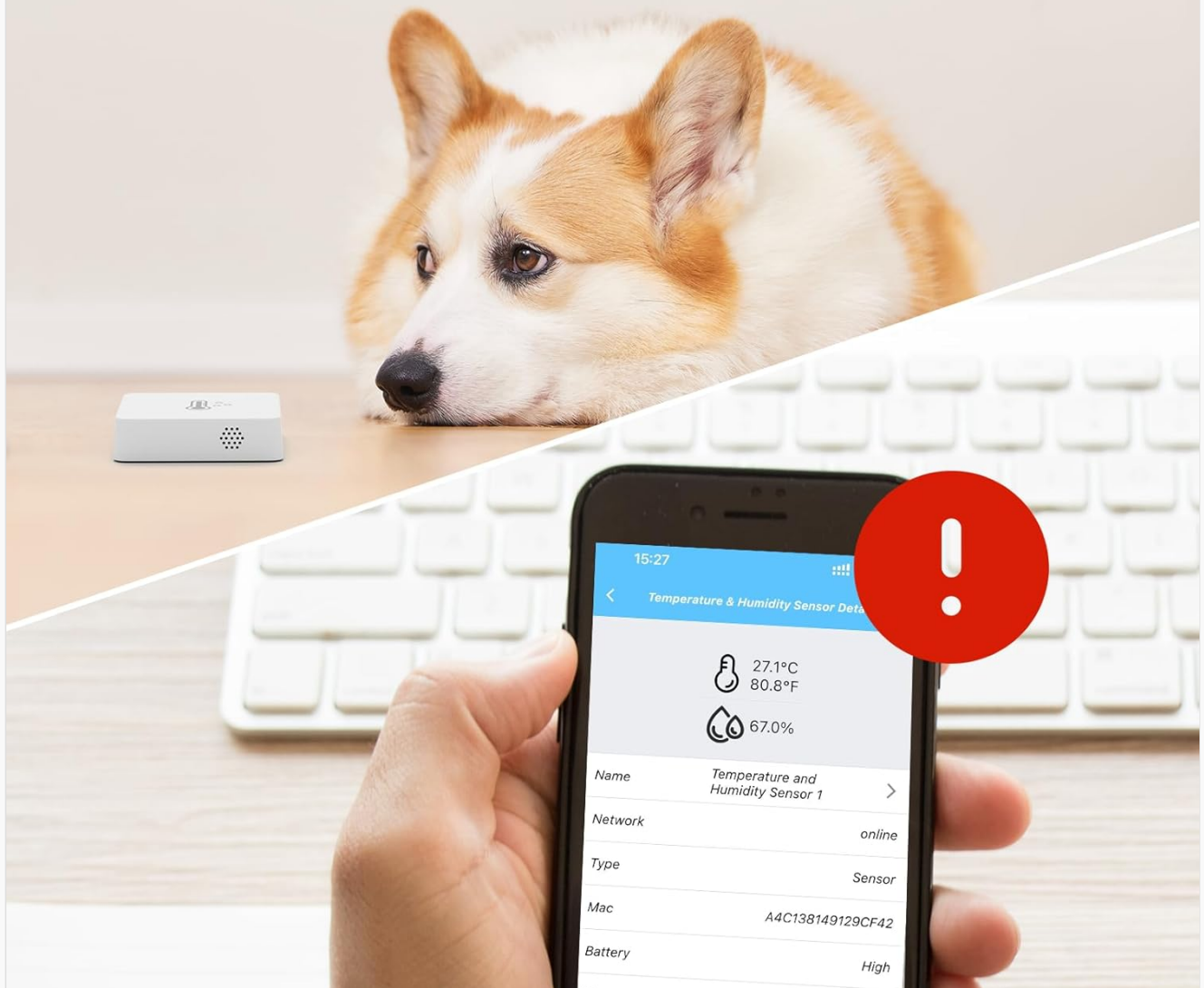
2. Remote Monitoring and Historical Data

Once paired with a compatible Zigbee hub, you can monitor temperature and humidity remotely via your smart home application (e.g., SmartThings, Home Assistant, THIRDREALITY app). The THIRDREALITY app provides up to one

month of historical data, while SmartThings and Home Assistant users can access more extensive historical data.

App Remote Monitor

You can monitor your home temperature and humidity wherever you are. No worry about the pets and plants left alone at home.



This image shows the sensor in a home environment with a pet, alongside a smartphone displaying the sensor's temperature and humidity data through a mobile application.

3. Smart Home Automation

Integrate the sensor with your smart home system to create automated routines based on temperature and humidity levels. Examples include:

- Setting alerts for extreme temperature conditions.
- Automating HVAC systems or fans to activate when a specific temperature threshold is reached.
- Activating a humidifier when humidity drops below a set percentage (e.g., 40%).

These routines can be managed through compatible smart home applications like SmartThings, Home Assistant, and Hubitat.

Smart Home Automation



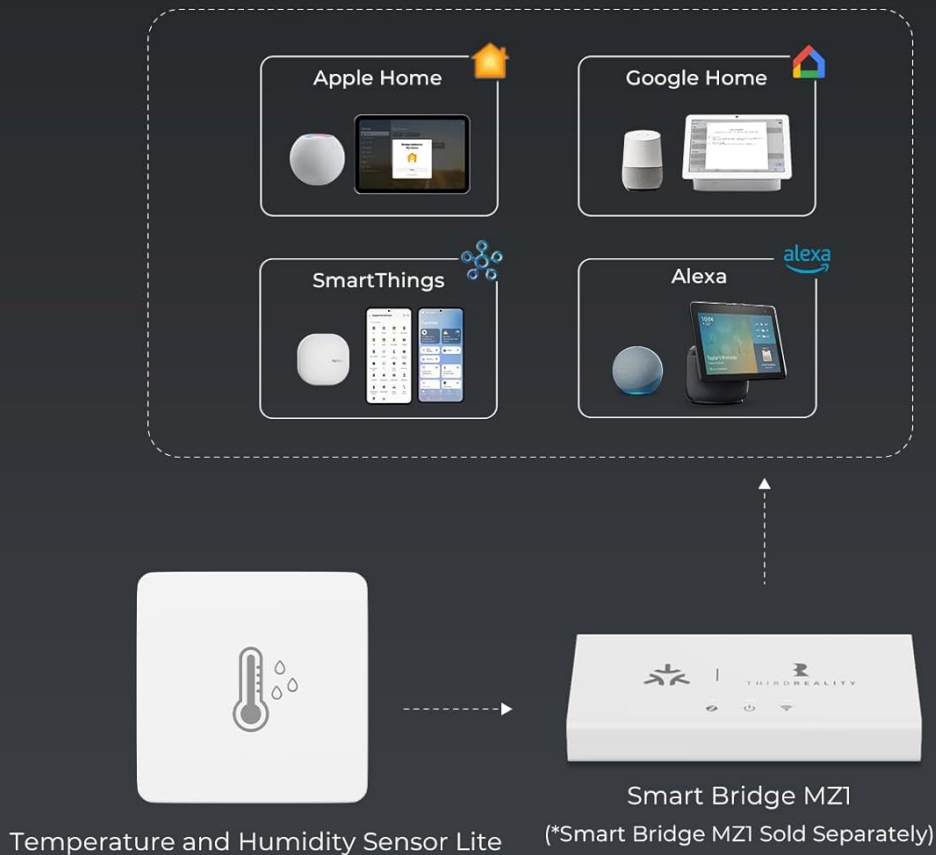
This illustration demonstrates how the sensor can be part of a smart home automation system, controlling devices like an air conditioner, smart blinds, and a humidifier to maintain optimal indoor climate.

4. Smart Assistant Support

When used with the Smart Bridge MZ1 (sold separately), the sensor can integrate with various smart assistants and home automation platforms, including Apple Home, Google Home, and Amazon Alexa, for convenient control and monitoring.

More Smart Assistant Supported

Enabled by Smart Bridge MZ1, Temperature and Humidity Sensor Lite integrates with numerous smart assistants and home automation platforms, such as Apple Home, Google Home, Amazon Alexa, and SmartThings, ensuring easy control and monitoring.



This diagram illustrates the sensor's compatibility with multiple smart assistant platforms, including Apple Home, Google Home, Amazon Alexa, and SmartThings, through the Smart Bridge MZ1.

MAINTENANCE

1. Battery Replacement

The sensor uses two AAA batteries, which typically last for at least 2 years under normal usage conditions. When the battery level is low, your smart home application may provide an alert. Replace batteries as described in the 'Battery Installation' section.

2. Cleaning

To clean the sensor, gently wipe its exterior with a dry, soft cloth. Do not use liquid cleaners or immerse the device in water.

TROUBLESHOOTING

- **Sensor Not Pairing:** Ensure your Zigbee hub is in pairing mode. Check that the sensor batteries are correctly

installed and have sufficient charge. Try resetting the sensor by removing and reinserting the batteries, then re-attempt pairing.

- **Inaccurate Readings:** Verify the sensor is placed in an appropriate indoor location, away from direct sunlight, drafts, or heat sources that could affect readings. Allow some time for the sensor to stabilize after initial placement or battery change.
- **Connectivity Issues:** Ensure the sensor is within range of your Zigbee hub or a Zigbee router. Obstacles like thick walls or large metal objects can interfere with the signal. Consider adding more Zigbee devices to strengthen your mesh network.
- **Alexa App Only Shows Temperature:** The Alexa application currently displays temperature readings but does not show humidity data for this sensor. This is a limitation of the Alexa app's integration.
- **Battery Life Shorter Than Expected:** Frequent reporting intervals or very cold environments can reduce battery life. Ensure the sensor is used within its specified operating temperature range.

SPECIFICATIONS

Feature	Specification
Model Number	3RTHS0224Z
Brand	THIRDREALITY
Connectivity Technology	Zigbee
Power Source	2 x AAA Batteries (included)
Battery Life	Approximately 2 years (normal use)
Temperature Accuracy	±0.3 °C (-15 °C to 50 °C)
Humidity Accuracy	±2% (0% to 100%)
Data Refresh Rate	Every 5 seconds
Dimensions (Package)	9.2 x 7.9 x 2 cm
Weight (Package)	60 grams
Exterior Material	Plastic
Compliant Specifications	CE, FCC, RoHS
Display Type	Digital (via app)

WARRANTY





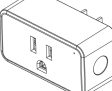
Warranty information for this product is not explicitly provided in the available data. Please refer to the product packaging or the manufacturer's official website for detailed warranty terms and conditions.

SUPPORT

For further assistance, technical support, or to explore other THIRDREALITY products, please visit the official THIRDREALITY brand store or contact their customer support channels.

THIRDREALITY Brand Store: [THIRDREALITY on Amazon](#)

Related Documents - 3RTHS0224Z

<p>Temperature and Humidity Sensor Lite Quick Start Guide</p>  <p>THIRDREALITY</p>	<p>ThirdReality Temperature and Humidity Sensor Lite Quick Start Guide</p> <p>This guide provides instructions for setting up and pairing the ThirdReality Temperature and Humidity Sensor Lite (Model: 3RTHS0224Z) with various smart home systems including ThirdReality, 3R-Installer, Amazon Alexa, SmartThings, Hubitat, and Home Assistant. It covers specifications, pairing procedures, and regulatory compliance information.</p>
<p>Temperature and Humidity Sensor Lite Quick Start Guide</p>  <p>THIRDREALITY</p>	<p>ThirdReality Temperature and Humidity Sensor Lite: Quick Start Guide & Setup</p> <p>Get started with your ThirdReality Temperature and Humidity Sensor Lite. This guide covers setup, pairing with smart home hubs like Amazon Alexa, SmartThings, Hubitat, and Home Assistant, plus technical specifications and regulatory information.</p>
<p>Temperature and Humidity Sensor Lite User Manual</p>  <p>THIRDREALITY</p>	<p>ThirdReality Temperature and Humidity Sensor Lite User Manual</p> <p>User manual for the ThirdReality Temperature and Humidity Sensor Lite, detailing setup, pairing with various smart home hubs (ThirdReality, Amazon Alexa, SmartThings, Hubitat, Home Assistant), specifications, and regulatory information.</p>
<p>Smart Motion Sensor R1 User Manual</p>  <p>THIRDREALITY</p>	<p>THIRDREALITY Smart Motion Sensor R1 User Manual & Setup Guide</p> <p>Comprehensive user manual for the THIRDREALITY Smart Motion Sensor R1 (3RSMR01067Z). Learn about specifications, setup, installation, troubleshooting, and integration with Zigbee hubs like SmartThings, Alexa, Hubitat, and Home Assistant.</p>
<p>THIRDREALITY Zigbee Smart Plug Gen2 User Manual</p>  <p>THIRDREALITY</p>	<p>THIRDREALITY Zigbee Smart Plug Gen2 User Manual & Setup Guide</p> <p>Comprehensive user manual and setup guide for the THIRDREALITY Zigbee Smart Plug Gen2, covering specifications, features, pairing instructions with various hubs (SmartThings, Echo, Hubitat, HA), firmware updates, and troubleshooting.</p>

Garage Door Tilt Sensor

User Guide



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[ThirdReality Garage Door Tilt Sensor User Guide](#)

User guide for the ThirdReality Zigbee Garage Door Tilt Sensor. Learn about setup, installation, pairing with various smart home systems like Amazon Alexa, SmartThings, Hubitat, and Home Assistant, specifications, and warranty information.