Manuals+ — User Manuals Simplified.

B ONE B1-TH02-ZB Zigbee Temperature and Humidity Sensor User Manual

Contents

B ONE B1-TH02-ZB Zigbee Temperature and Humidity Sensor
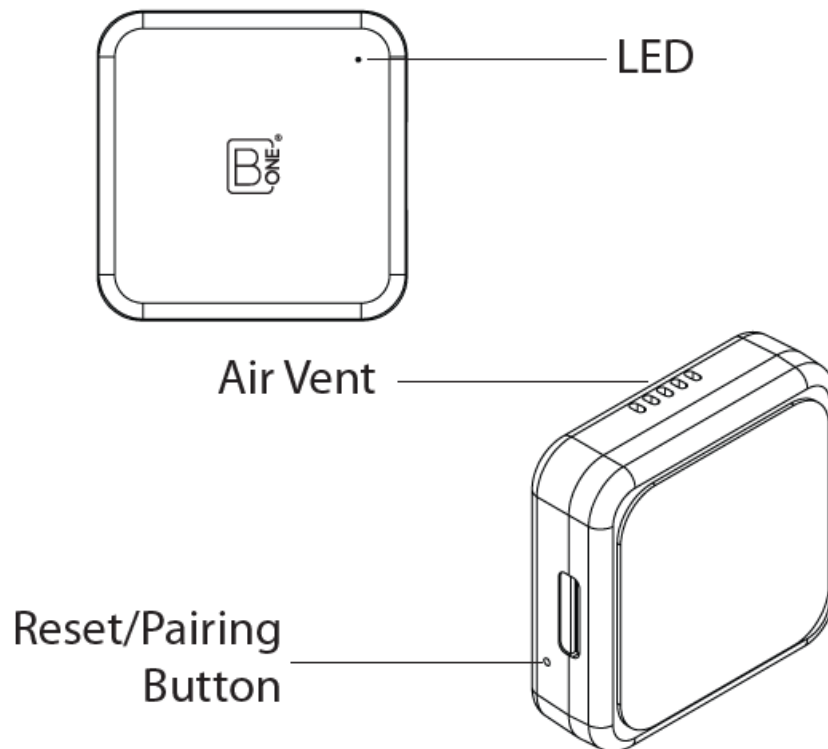

Technical Specifications:

- Model: B1-TH02-ZB

Product Usage Instructions

Introduction
The Temperature and Humidity Sensor is a smart device that employs Zigbee 3.0 wireless radio frequency technology for smart detection. It facilitates remote monitoring of ambient temperature and humidity levels, providing real-time readings that can be accessed through the B.One Plus App. Furthermore, it enables integration and control of other smart devices based on the current temperature and humidity values. This creates a comprehensive and interconnected smart home experience.

Product Structure

LED

Air Vent

Reset/Pairing Button

### Technical Specifications

Electrical	
Battery	Number of Batteries: 1 Rating: 3V DC Battery Cell Composition: Lithium Type: Coin Cell Battery (CR2032)
Communications	
Protocol	HA Zigbee 3.0
Transmit Power	+10 dBm
Working Frequency	2400 MHz – 2483.5 MHz
Range	<=50 m (Line of Sight Open Area)

Environmental	
Temperature Range & Accuracy	Range: -20 °C ~ +50 °C Accuracy: ±0.3 °C
Humidity Range & Accuracy	Range: 0 to 99 % RH Accuracy: ±3 %
Operating Temperature	-20 °C ~ +60 °C
Operating Relative Humidity	0 to 99 % RH, no condensation
Mechanical	
Dimensions (LxWxT)	36 x 35 x 11 mm
B.One Plus App Supports	Android 8.0 and above/ iOS 15.0 and above

Installation

Follow the steps below to install the Temperature & Humidity Sensor:

1. Open the B.One Plus App and navigate to Sensors, Security & Safety.
2. Select Zigbee Devices and then Temperature and Humidity Sensors.
3. Choose B.One Temperature and Humidity Sensor and follow the provided device pairing instructions.
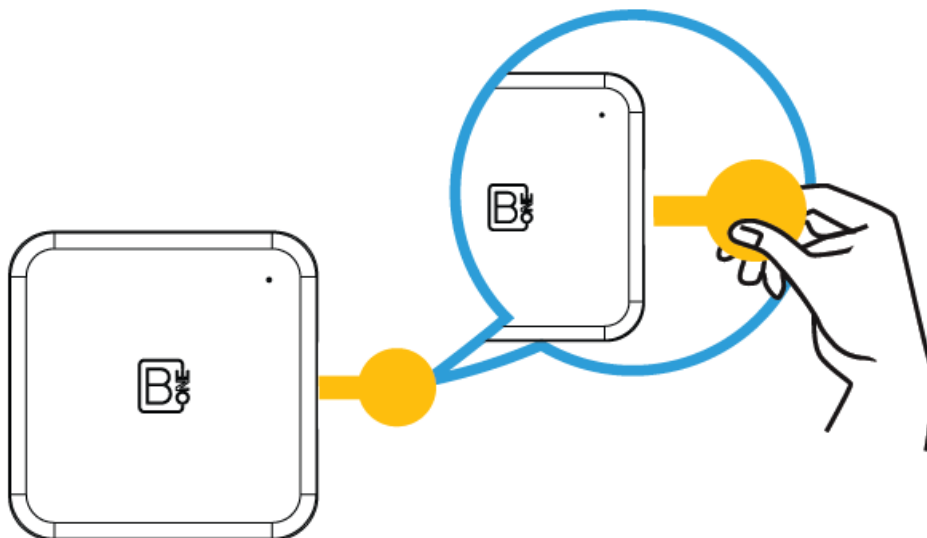
Remove battery insulation film to power on.

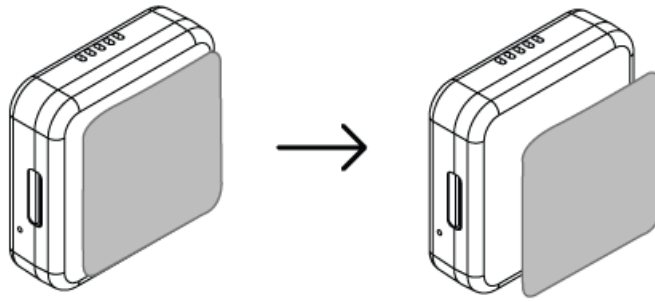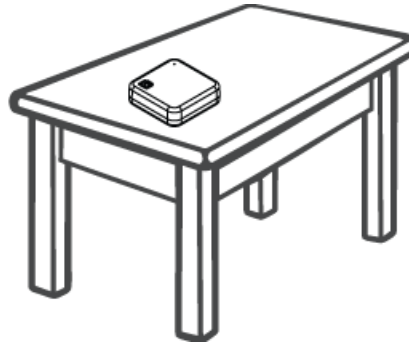- Remove the sticker backing and adhere the device to the designated area.

Figure 1: Sticker Removal

- After peeling off the sticker backing, the device can be placed on the table.

- Figure 3 depicts the device adhered to the wall.
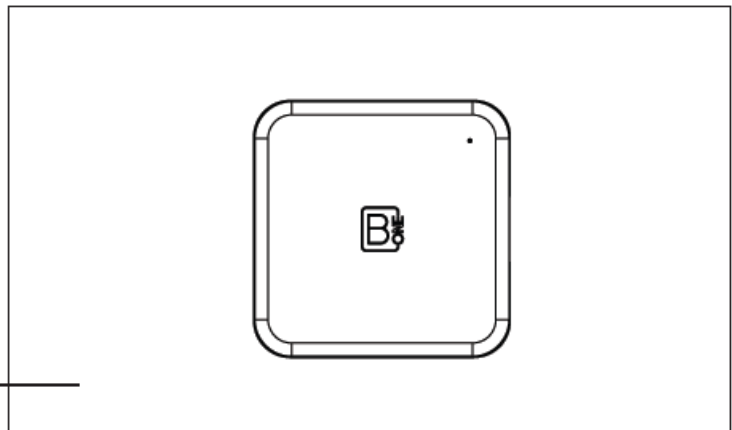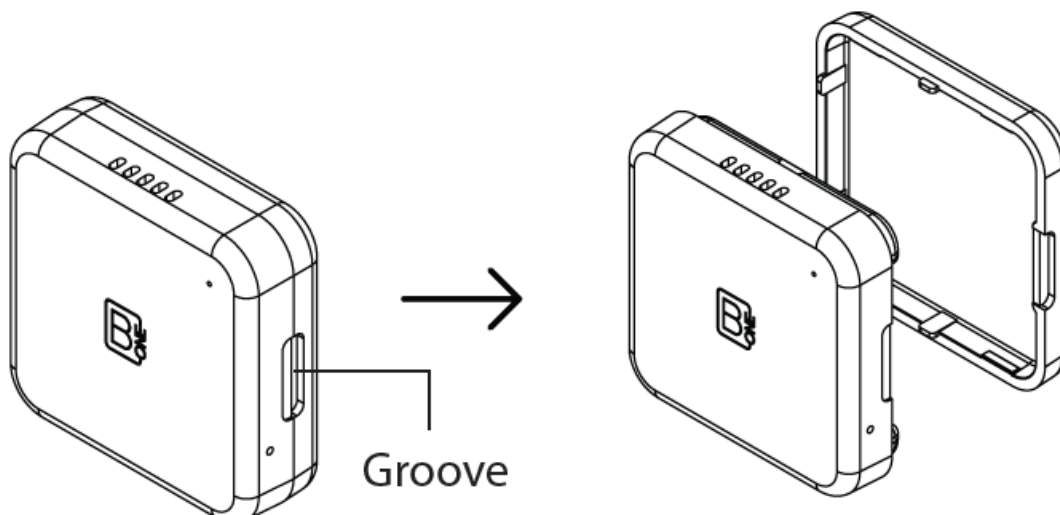

Wall/Glass/
Smooth Surface

Figure 3: Mounting the device on a wall.

- Position your thumb within the notch and apply pressure to unlatch the device.

Groove

- To extract the battery, simply push it in this direction.

Battery

Battery

Figure 6: Battery Removal
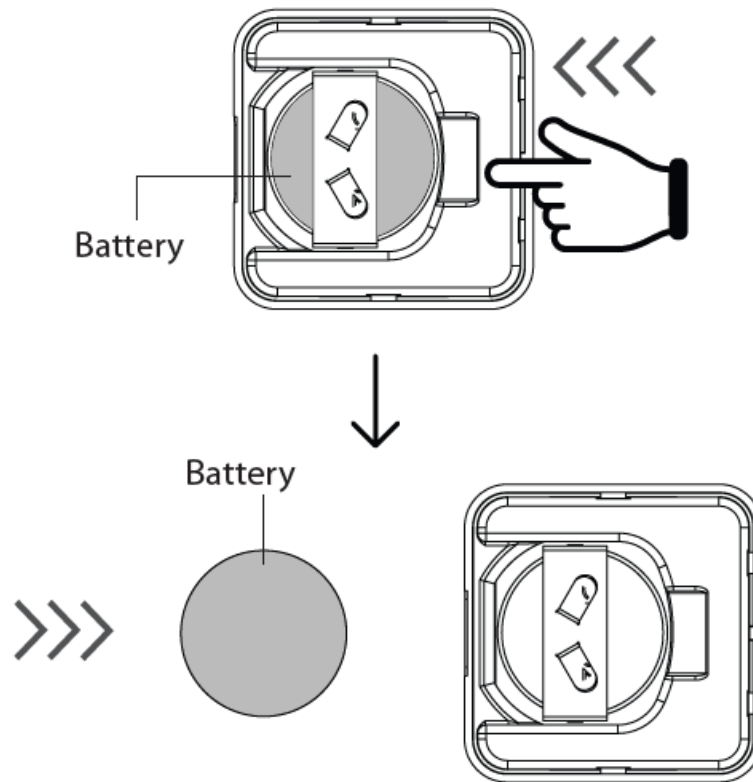
Requirements

- You will need a smartphone (Android/iOS) with the B.One Plus App installed and your account activated on it.
- The Zigbee-enabled B.One Hub is connected to your home internet router and has been added to your account in the B.One Plus App.

Get B.One Plus App at:

GET IT ON
Google Play

Download on the
App Store

For detailed user manual, scan the QR code below

## LED Indicators

LED	Status	Description
Blue	Blinking 3 times	Pairing mode/inclusion mode
Blue	Solid for 4 Sec after 10-11 sec.	When device is paired successfully
Blue	Blinking 2 times	Device Deleted

Addition of the Device
Launch the B.One Plus App. From the Home screen, navigate to Devices > Tap on the (+) button > Sensors, Security & Safety > Zigbee Devices > Temperature and Humidity Sensors > B.One Temperature and Humidity Sensor and follow the device pairing instructions.

Device Pairing
To initiate the pairing process, press and hold the Reset/Pairing button using the pin provided in the box for 3.5 seconds. Once successfully initialized, When the device is successfully paired the device will have a solid blue LED for 4 seconds after 10-11 seconds of addition, and the app interface will show a prompt confirming it. Press and hold the Reset/Pairing button for 3.5 seconds for device pairing.
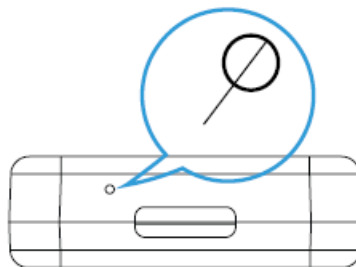

Deletion of the Device

To delete the device or to remove it from the Zigbee-enabled B.One Hub, follow these steps:

- On the B.One Plus App, select the Devices screen and tap on Edit. Select (-) icon to delete the device.
- Tap on Delete to confirm the device deletion. Screen displays confirmation message when it is successfully removed from the Zigbee network.
- To complete the deletion process, press and hold the Reset/Pairing button using the pin for 3.5 seconds. This will remove the device from the Zigbee network.

Factory Reset
To factory reset the device, press and hold the Reset/Pairing button using the pin for 3.5 seconds. This will reset

the device.
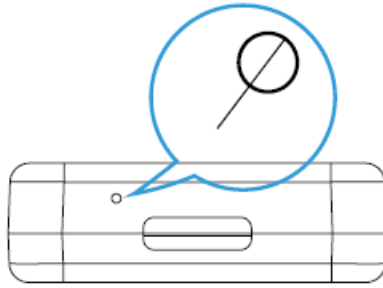
Press and hold the Reset/Pairing button for 3.5 seconds for device Resetting.

Device Care and Maintenance Correct Disposal

Proper disposal of the Temperature and Humidity Sensor is essential for both safety and environmental considerations.

Please observe the following guidelines when disposing of the device:

1. Do not dispose of the device into fire: The Temperature and Humidity Sensor contains combustible components. It is important to never dispose of the device by burning it or subjecting it to fire. This can result in hazardous situations and environmental harm.
2. Do not dispose of the device with regular waste: The Temperature and Humidity Sensor should not be discarded with regular household or municipal waste. Improper disposal may lead to the device ending up in landfills or being incinerated, which can have negative effects on the environment and human health.

Proper Disposal Options:

To ensure the appropriate and responsible disposal of the Temperature and Humidity Sensor, consider the following options:

1. Electronic waste recycling: Look for local electronic waste recycling facilities or programs in your area. These facilities specialize in the proper handling and recycling of electronic devices. Contact your local recycling center or municipality for information on drop-off points or collection events for electronic waste.
2. Manufacturer or retailer programs: Check if the manufacturer or retailer of the Temperature and Humidity Sensor has a take-back program or recycling initiative in place. Many companies offer recycling services for their products to promote responsible disposal. Visit their official website or contact their customer support for more information on how to return the device for proper recycling.

By following these guidelines and responsibly disposing of the Temperature and Humidity Sensor, you contribute to minimizing environmental impact and promoting sustainable practices.

Warranty

Blaze Automation warrants its products against defects in materials and/or workmanship under normal use for a period of ONE (1) YEAR from the date of purchase by the original purchaser ("Warranty Period"). If a defect arises and a valid claim is received within the Warranty Period, then as your sole remedy (and Blaze Automation's sole

liability), Blaze Automation will at its option either 1) repair the defect at no charge, using new or refurbished replacement parts, or 2) replace the product with a new unit that is functionally equivalent to the original, in each case within a mutually agreed lead time between both the purchaser and Blaze, following receipt of the returned product. A replacement product or part assumes the remaining warranty of the original product. When a product or part is exchanged, any replacement item becomes your property and the replaced product or part becomes a property of Blaze Automation.

Obtaining Service:

To obtain warranty service, speak with your point of contact at Blaze or with the authorized distributor from your country of purchase. Please be prepared to describe the product that needs nature of the problem. A purchase receipt is required. The product must be insured, and shipped freight prepaid and securely packaged. You must contact Blaze for a Return Material Authorization Number ("RMA Number") before shipping any product, and include the RMA Number, a copy of your purchase receipt and a description of the problem you are experiencing with the product. Any claim under this Limited Warranty must be submitted to Blaze Automation before the end of the warranty period.

Exclusions:

This warranty does not apply to:

- Damage caused by failure to follow the instructions (as explained in the user manual) relating to the product's use or the installation of components
- Damage caused by accident, abuse, misuse, transport, neglect, fire, floods, earthquake or other external causes;
- Damage caused by service performed by anyone who is not an authorized representative of Blaze Automation
- Accessories used in conjunction with a covered product;
- The Product or part that has been modified to alter functionality or capability;
- Items intended to be periodically replaced by the purchaser during the normal life of the Product, including, without limitation, batteries, bulbs or cables;
- The Product that is used commercially or for a commercial purpose, in each case as determined by Blaze Automation.

LIABLE FOR (I) ANY LOST PROFITS, COST OF PROCUREMENT OF SUBSTITUTE PRODUCTS, OR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES, OR (II) ANY AMOUNTS IN EXCESS OF THE PURCHASE PRICE FOR THE PRODUCT, IN EACH CASE WHETHER RESULTING FROM THE USE OF OR INABILITY TO USE OF PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS WARRANTY, EVEN IF COMPANY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.
TO THE EXTENT PERMITTED BY APPLICABLE LAW, BLAZE AUTOMATION DISCLAIMS ANY AND ALL STATUTORY OR IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND WARRANTIES AGAINST HIDDEN OR LATENT DEFECTS. IF BLAZE AUTOMATION CANNOT LAWFULLY DISCLAIM STATUTORY OR IMPLIED WARRANTIES, THEN TO THE EXTENT PERMITTED BY LAW, ALL SUCH WARRANTIES SHALL BE LIMITED IN DURATION TO THE WARRANTY PERIOD.
To exercise your rights under this warranty, please follow the instructions above under the heading "Obtaining Service" or contact Blaze Automation at Blaze Automation Services Private Limited, Q2, 10th floor, Cyber Towers, Hitech-city, Hyderabad, Telangana – 500081, India.

Reach us at:

FAQ

- **Q: How do I know if my device is successfully paired?**

A: The device's LED will show a solid blue light for 4 seconds after successful pairing, and the app interface will confirm it.

- **Q: What type of battery does the sensor use?**

A: The sensor uses a Coin Cell Battery (CR2032) with a rating of 3V DC.

Documents / Resources

▲⊢ 畵礼 匪睚 ㇏ 舎 罯 ㇎ 詬 ↹	**B ONE B1-TH02-ZB Zigbee Temperature and Humidity Sensor** [pdf] User Manual B1-TH02-ZB, B1-TH02-ZB Zigbee Temperature and Humidity Sensor, Zigbee Temperature and Humidity Sensor, Temperature and Humidity Sensor, Humidity Sensor

References

- **User Manual**