

CO2ZB1 Zigbee CO2 Sensor

Installation Instructions and User Manual



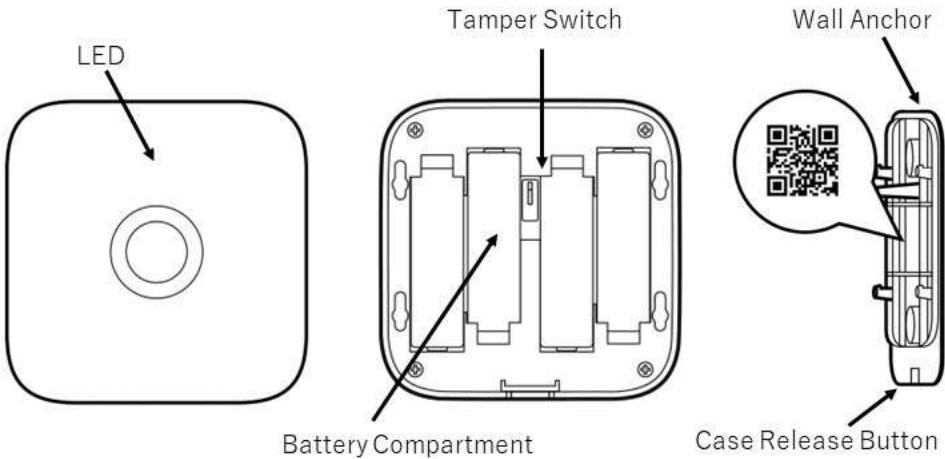
1. Specifications

Frequency:	2.4 GHz (IEEE 802.15.4)
Operating Temperature:	14°-122°F (-10°-50°C)
Operating Humidity:	10% - 90% non-condensing
CO2 Sensing Range:	400ppm – 5000ppm
CO2 Sensing Accuracy:	±75ppm+5%MV
Battery:	4x AA Alkaline Battery
Battery Life:	2 Years (with default setting)
Compatibility:	Zigbee, WWAH (Works with All Hubs)

2. Package Contents

- 1x Sensor
- 2x Screws & Wall Anchor
- 4x AA Alkaline Battery (uninstalled)
- 2x Back Mounting 2-Sided Adhesive Tape
- 1x Manual
- 1x QR Code Sticker

3. Component Identification



4. Zigbee Pairing:

This CO2 Sensor needs to be paired before installation.

1. Insert 4 batteries to the battery compartment.
2. The LED will blink three times in amber color every 2-3 seconds while scanning the network.
3. If network successfully joined, the LED will be lit for 1 second in amber color followed by a short blink in green color.
4. If network is not found after 1 minute, the sensor will go into sleep mode, the LED will blink in amber color every 1 minute. You need to reset the sensor to trigger a pairing process, and then sensor will repeat steps from 2 to 4.

To reset the sensor:

1. Remove the battery for 10 seconds.
2. Press and hold down the tamper switch while re-insert the battery.
3. Release the tamper switch in between 1 to 5 seconds after insert the battery.

Note: MAC address of the Sensor can be found on the QR code by scanning it with your mobile phone.

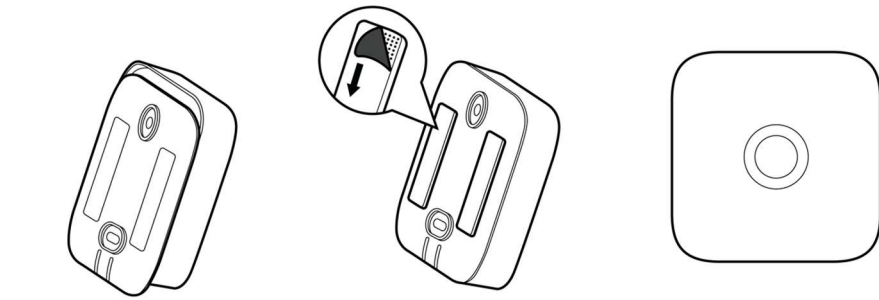
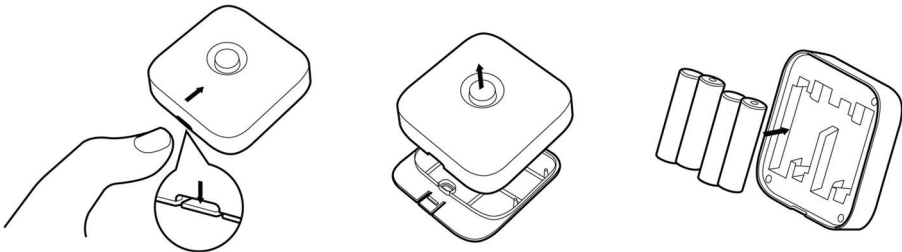
Note: There are 2 QR code labels that are included, all the QR code are the same. Please keep the extra bigger QR code stick for future use.

Note: Try moving closer or further away from the QR code, tap the QR code on the screen to focus, or use your camera’s zoom. If that doesn’t work, try entering the code manually. If still doesn't work, contact the installer.

5. Mounting

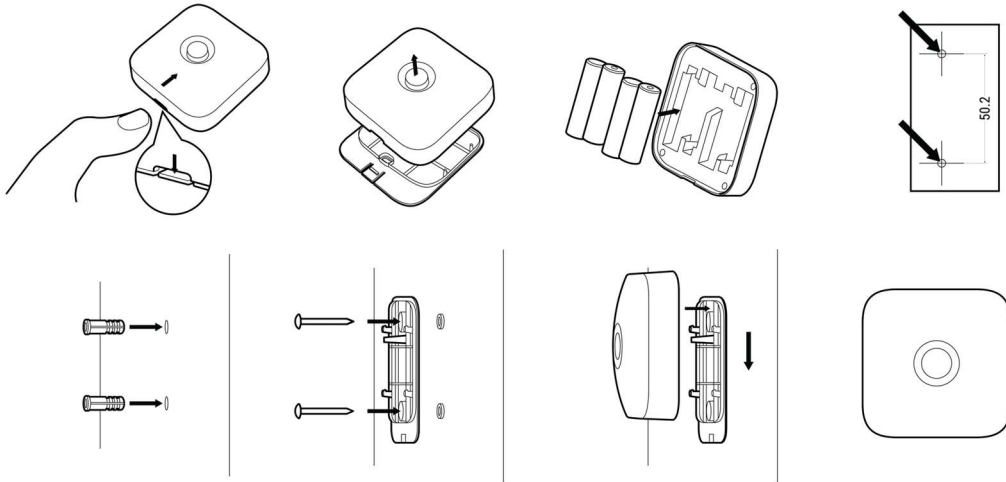
Mounting by Adhesive Tap

- Press the case release button to separate the front sensor case and wall anchor.
- Insert the battery into the battery compartment.
- Put back the wall anchor case with front sensor case.
- Place one side adhesive tape over the wall anchor case, the side that will face the wall.
- Peel off the other side of adhesive tape.
- Place the sensor on the wall.



Mounting by Screw

- Press the case release button to separate the front and wall anchor case.
- The back case gives access to both the flush mount and corner mount screw knock outs. Drill through the appropriate knockouts and use the included screws to mount in the desired mounting location.
- It is recommended to ensure there is a tight seal around the knockouts to prevent bugs from entering the sensor and causing false alarms.
- Replace the front sensor cover to snap shut and screw in the sensor case screws on the top and bottom of the wall anchor case.



6. Operation

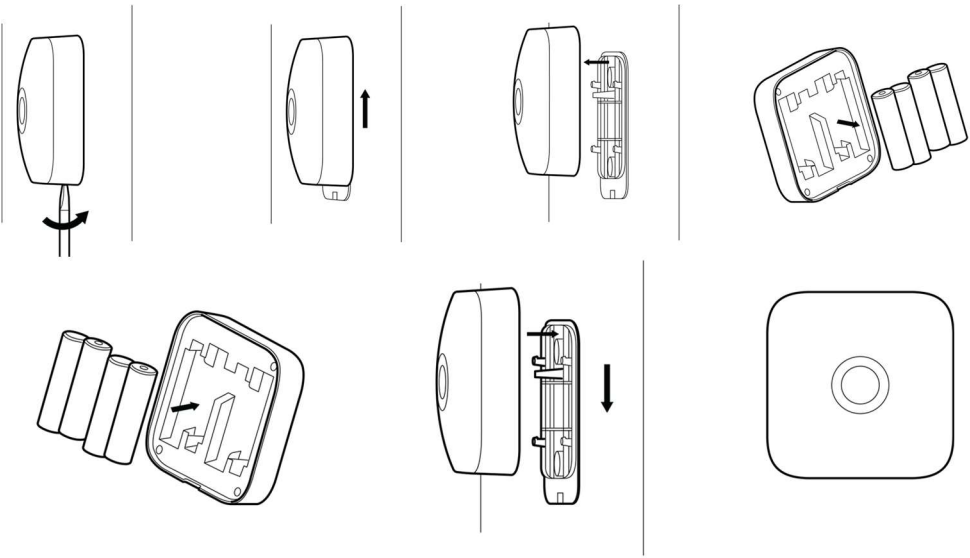
The CO2 sensor requires 45 seconds to warm up for signal stabilizing when performing start up or reset. During the warmup period, the LED will blink slowly in amber.

7. Maintenance - Replacing the Battery

When the battery is low, a signal will be sent to the control panel.

To insert or replace the battery:

- Remove the sensor from the wall anchor by using a bottom-to-top lifting motion.
- Remove the AA Alkaline Battery and install new AA battery
- Always match the plus (+) sign on the battery with the flat side of the compartment and the minus (-) sign on the battery with the spring side.
- Reinstall sensor back to the wall anchor case.



WARNING: Failure to follow these warnings and instructions can lead to heat generation, rupture, leakage, explosion, fire, or other injury, or damage. Do not insert the battery into the compartment in the wrong direction. Always replace the battery with the same or equivalent type (see Specifications on page 1). Never recharge or disassemble the battery. Never place the battery in fire or water. Always keep batteries away from small children. If batteries are swallowed, promptly see a doctor.

Always dispose and/or recycle used batteries in accordance with the hazardous waste recovery and recycling regulations for your location. Your city, state, or country may also require you to comply with additional handling, recycling, and disposal requirements.

8. Environmental and Other Useful Information

- Please install CO2 Sensor with good air flow for more accurate sensing result.
- CO2 Sensor is also sensitive to heat and vibration, please avoid placing the sensor close to external heat source or directly from sunlight, as well as from vibrating device such as device with motor.
- Avoid contact with water or other fluids (water may damage the sensor, therefore minimize exposure while washing, or using water for any purpose).
- CO2 Sensor should not be used in excessive dusty or dirty areas. This may damage the CO2 sensing ability.
- Do not throw, knock or shake the device. Please handle device delicately to avoid damage to sensor.
- This product is designed for indoor use only. Do NOT use in humid environments or outdoors.
- If sensor leave the network or disconnect, please reconnect the sensor again

