Product Data Sheet
3-Series Temp & Humidity Sensor
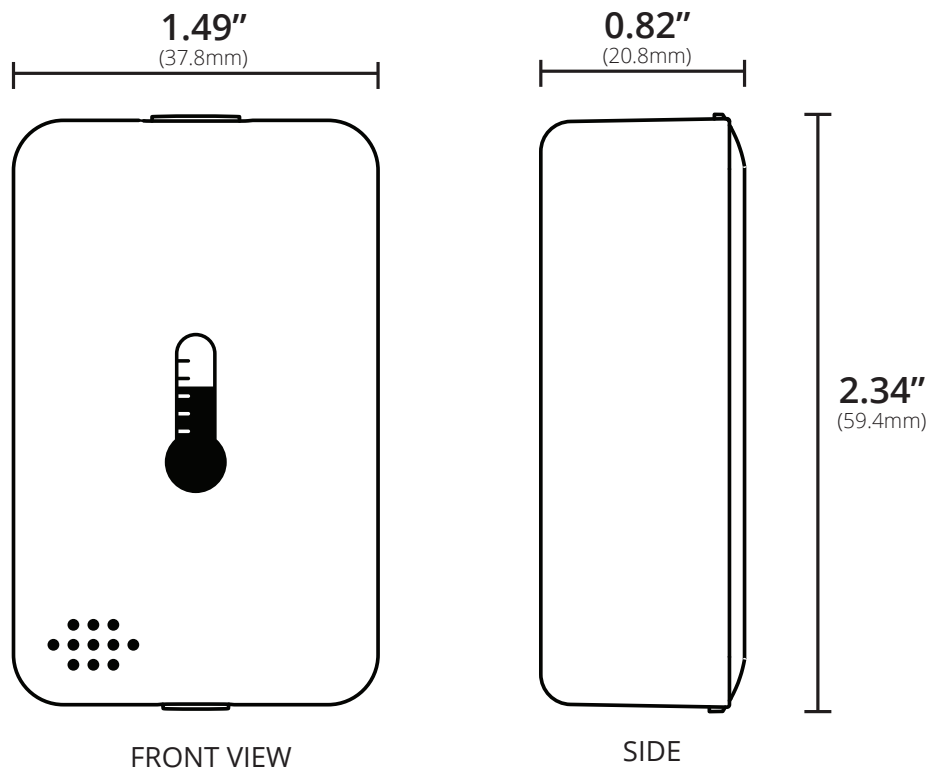3310-G

Centralite

Product Overview

By detecting changes in in-home temperature and humidity, the 3-Series Temperature & Humidity Sensor can add a whole range of climate control features to your connected home. By reporting these changes in climate, your HVAC system can respond to your comfort level and help to reduce wasted energy.

Dimensions

1.49"
(37.8mm)

0.82"
(20.8mm)

2.34"
(59.4mm)

FRONT VIEW

SIDE

In the Box:

1x - 3-Series Temp & Humidity Sensor
1x - Mounting Bracket
1x - CR-2 Battery
1x - Quick Start Guide

Key Features:

- Built-in power amplifier for exceptional range.
- Accurate temperature reporting down to 0.1°C.
- Humidity reporting down to 1% RH.
- Easy-to-install mounting plate for sensor.
- Easy compatibility with other manufacturers' ZigBee HA 1.2 devices.
- Pull-to-pair joining process.
- Over-the-air firmware updates.

Use Cases

- Track and report temperature and humidity changes throughout the day.
- Trigger A/C to turn on when humidity levels rise.
- Keep the perfect temperature for the right room.
- Get alerts when your HVAC system isn't running properly.
- Set events triggered by temperature and humidity changes.

Keep the perfect temperature for the right room.
Most home thermostats are located in hallways, kitchens, or living rooms. The problem is that we don't always spend all of our time there. This causes hot and cold spots throughout the house. By placing a Temp & Humidity Sensor in your bedroom, the system can now tailor the HVAC system to keep the temperature you want in the bedroom at night.

Trigger A/C to turn on when humidity levels rise.
Many homes are predisposed to mold and mildew issues. Homes in humid climates or with damp basements are constantly battling to prevent mold and mildew from forming. By monitoring the humidity levels throughout the home with the 3-Series Temp & Humidity Sensor, your HVAC system can proactively run the A/C to pull damaging humidity out of the air.

Get alerts when your HVAC system isn't running properly.
By monitoring temperature in different areas of the house, your connected home can notify you if there are problems with your unit. The unit not being able to keep up or longer running times are both signs that your unit may be having problems.

Special Features

Easy Mounting Options
The 3-Series Temp & Humidity Sensor can be installed using either adhesive strips or mounting screws (both included). The easy-to-install mounting plate attaches with a single screw and the sensor simply slides into place on the mount.

Pull-to-Pair Join Process
All 3-Series sensors feature "pull-to-pair" joining. The device ships with the battery pre-installed and all that is needed to begin the joining process is to pull out a small plastic tab from the bottom of the device. There is nothing for the user to take apart or put back together.

ZigBee Home Automation 1.2 Compatibility
The 3-Series Temp & Humidity Sensor is fully ZigBee HA 1.2 certified and is guaranteed to function with all open, ZigBee HA 1.2-certified hubs and devices.

Superior Range and Updatability
The 3-Series Temp & Humidity Sensor includes a built-in power amplifier, giving the module superior range and stability in large homes or areas with wireless interference.

The Temp & Humidity Sensor also supports over-the-air updates providing for seamless upgrades and feature additions without the need for any user interaction.

Getting Started

Step 1: Open ZigBee Network for Joining
Using your controller or hub's interface, enable the ZigBee network for joining.

Step 2: Pull Tab from Bottom of Sensor
Pull the small plastic tab out of the bottom of the sensor and it will immediately begin searching for a network to join.

Step 2: Finish Joining at Hub (optional)
Some hubs and controllers require additional steps such as naming or categorizing the device.

Troubleshooting

Step 1: Remove and Replace Battery from Device
Slide the sensor off the mount and remove cover. Remove battery and replace with a new CR-2 battery. Reassemble and test operation.

Step 2: Factory Reset and Rejoin
Slide the sensor off the mount, remove cover, and remove battery. While holding down the reset button, reinsert battery to factory reset the device. Repeat the "Getting Started" steps to rejoin the ZigBee network.

Compatibility

The 3-Series Temp & Humidity Sensor features out-of-the-box compatibility with any ZigBee HA 1.2-certified hub, controller, bridge, or platform.

Technical Specifications

Power
Rated: 3V
Battery: CR-2 (1x)
Battery Life: Up to 2 years

Environmental
Operating Temperature: -40° to 85°C

Shipping / Storage
Temperature: -20° to 50°C
Humidity Range: 0 to 90% RH.
                      (non-condensing)

Approvals:

Wireless RF
Protocol: ZigBee HA 1.2
TX Strength: +18 dBm
RF Channels: 16
Range: 300+ ft. (90+ m) L.O.S.

Temp Accuracy: ± 2 °C (max), –10 to 85 °C

Precision: ±0.1 °C

Support

Centralite offers both Tier-1 and Tier-2 support structures to meet the needs of different customers. For those customers that provide existing, in-house support for systems, Centralite can serve as Tier-2 support specialists. For Centralite retail-branded products, Centralite provides direct Tier-1 support for all products.

Standard Warranty

Centralite offers a standard 12-month limited warranty on the 3-Series Temp & Humidity Sensor.

Additional mandatory warranty period in compliance with local law product is being sold.

Contact Sales

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