Z-Wave Temperature & Humidity Sensor

ZSENS930AW00MA Installer Guide

IMPORTANT

This sensor should be installed by a qualified HVAC technician.

After installation, allow 10 minutes for the temperature readings to stabilize.

NOTE: This document is intended for use with software version 5.4 when using this sensor with a Trane/American Standard connected thermostat. *

INSTALLATION - adding a ZSENS930 to a new or existing Z-Wave network STEP 1 - Find the right location

Suggested criteria for finding the right sensor location:

- 1. Do not place near a supply register.
- 2. Do not place near windows or on an exterior wall
- 3. Do not place behind doors or where air flow can be blocked by furniture.
- 4. Do not place where it may be subject to unnecessary or extreme temperature changes; unintended influences may cause adverse environment sensing.
- 5. The optimum zone for correct placement of the sensor is at least 5 feet above the floor and at least 2 feet below the ceiling.

STEP 2 - Remove the Back Plate

Insert a small screwdriver beneath the tab at the bottom of the Back Plate and lift to unsnap it from the front, WRITE DOWN the Serial Number from the Back Plate of the sensor.

STEP 3 - Insert the supplied batteries

Two 1.5 Volt AAA batteries are supplied in the box.

Please see Table 1. on Page – 2 to continue with adding a wireless sensor to the Z-Wave enabled 824, 850 and 1050 thermostats.

STEP 4 - Put the Z-Wave bridge in Add mode

Press the + or Add button on the bridge.

STEP 5 - Add the sensor

Stand where the sensor is to be installed and press and release the button labeled "INSTALL" on the interior of the sensor

STEP 6 - Connection Status.

The status LED next to the button on the interior of the sensor will blink rapidly for 3 seconds when it has been added to your Z-Wave network.

STEP 7 - Mount the back plate at the right location

Anchors and screws are provided to mount the Back Plate.

STEP 8 - Mount the Sensor FINAL INSTALLATION STEP

Once successfully added, snap the sensor onto the mounted Back Plate.

It will take 10 minutes after installation for the temperature and humidity values to stabilize due to handling.

> SERIAL# LOCATION

Or zone name if applicable

Home owner should retain a copy of this document for their records.

ZONE NOTES:

SERIAL#

| LOCATION: | LOCATION: | |
|-----------|-----------|--|
| SERIAL# | SERIAL# | |
| LOCATION: | LOCATION: | |
| SERIAL# | SERIAL# | |
| LOCATION: | LOCATION: | |
| SERIAL# | SERIAL# | |
| LOCATION: | LOCATION: | |
| | | |

SFRIAL#



Scan the QR code to view help videos

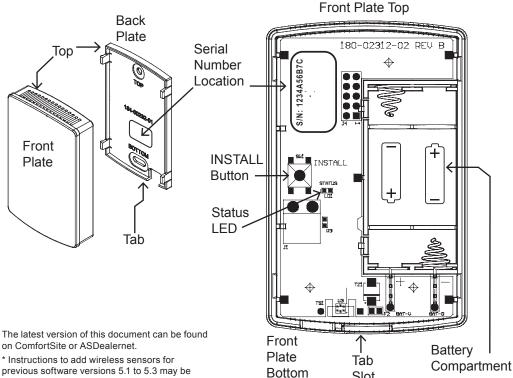
Sensor with lowest battery level is shown on home screen.







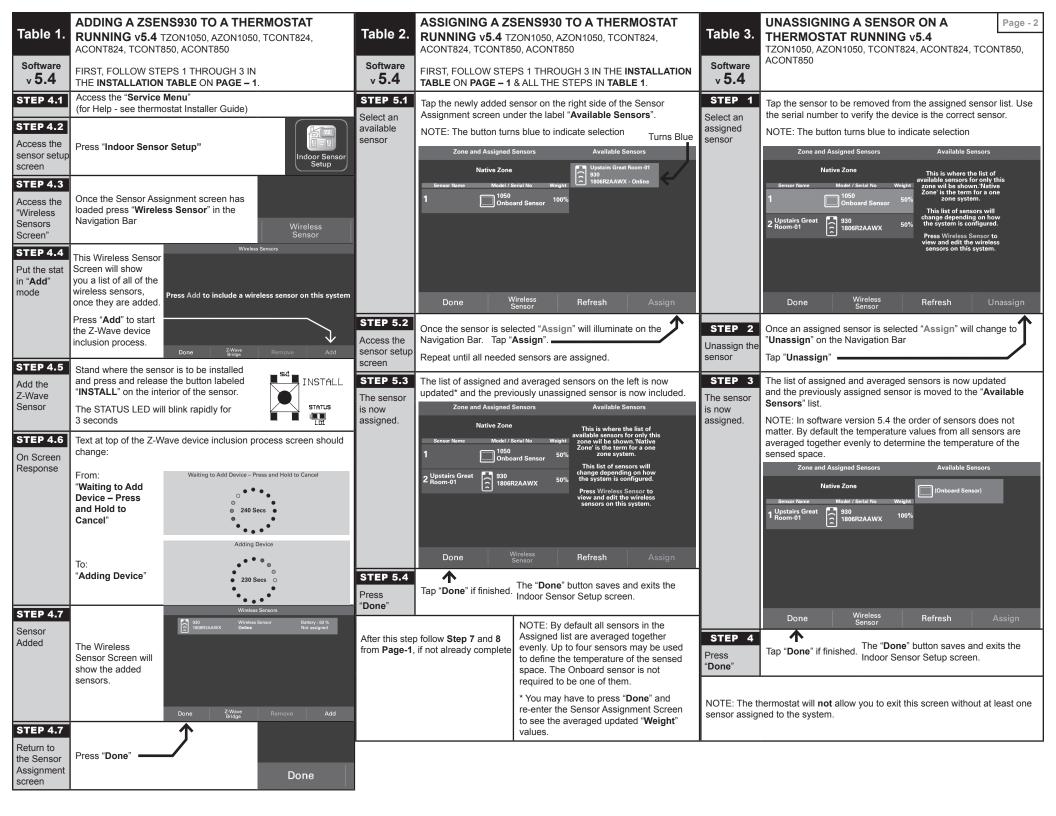




Slot

previous software versions 5.1 to 5.3 may be found on ComfortSite or ASDealernet.

NOTE: Please see this link for video tutorials: http://www.fieldtechhelp.com/comcon014.html A QR Code at the top of this document is also available for your convenience.



Action Software v 5.4 Follow steps 1
through 3 in Table 3
for the sensor(s) that
are to be removed.
They must be
unassigned to be Unassign the sensor STEP 1 removed. 930 1806R2AAWX Once the sensor is in the "Available Sensors" list, tap "Wireless Sensors" to show the Wireless Sensors Screen. Use the serial number to verify the device is the correct sensor. Select the sensor to be removed. Select the "Offline" sensor STEP 2 NOTE: The button turns blue when selected. Battery : 63 % Not assigned NOTE: If the sensor is "Online" you will need to press the "INSTALL" button on the inside of the sensor while it's "Waiting to Remove Device". Tap the "Remove" button Remove the sensor STEP 3 Press Add to include a wireless sensor on this system Done Wireless Sensors STEP 4 NOTE: To return a sensor to the list you will have to go through the steps of **Table 1**. Screen change The sensor is now no longer listed in the "Wireless Sensors" list.

NOTE: This sensor can be added to any Z-Wave network. It can also be added to a Trane or an American Standard connected thermostat with a built in Nexia bridge then assigned as an indoor temperature sensor (IDT) from the Service Menu.

Add

| SUMMARY OF SENSOR OPERATION | TROUBLESHOOTING | HOOTING | |
|--|---|------------------------------------|--|
| INSTALL BUTTON – Function Overview | SYMPTOM | CAUSE | CURE |
| Press once to add or remove the sensor from a Z-Wave Network. Press and hold, approximately 10 seconds, until the STATUS LED starts blinking to restore factory defaults. | Sensor fails to add to the network | Out of range | Add a Z-Wave repeating device (e.g. light module/dimmer) at a location between the bridge and sensor. First add the repeater to the network following that device's instructions. Then try |
| Press three times rapidly to send a "BATTERY_REPORT" and "WAKE_UP_NOTIFICATION" (if installed on a network). The sensor will stay awake for 30 seconds. | the network. (slow blinking of the Status | ر م د د د | following that device's instructions. Then try to add the sensor to the network again at the desired sensing location. |
| STATUS LED – Function following a button press: | pairing action | Improperly removed | Remove the sensor from the network, follow the |
| The LED will give an indication for 30 seconds following a button press. In that | bridge) | from network previously. | steps in Table 3. Then add it back to the network. |
| time the following will be seen: Continuous On: Device is enrolled on a Z-Wave Network. | Sensor drops | Edge of | Add a Z-Wave repeating device (e.g. light |
| Fast Blinking: Successfully added to or removed from a Z-Wave network. | intermittently | range | and sensor. |
| ADD - Adding the sensor to an existing Z-Wave network | Button press | Button press | Firm 1/2 second button press |
| 1 Set vour home's Z-Wave Bridge into ADD Mode | ignored | slow | 7 |
| 2. Press and release the INSTALL button on the sensor. 3. The Status LED will blink rapidly for 3 seconds when it has been added to your Z-Waye network. Your bridge will also indicate that the sensor was | Sensor goes from | | Change the batteries in the sensor. |
| successfully added. | "Offline"and "Missing | Sensor is enabled but | Remove the offline sensor following the steps |
| REMOVE – Removing the sensor from a Z-Wave network | Sensor" | reporting). | |
| Set your home's Z-Wave Bridge into REMOVE Mode. Press and release the INSTALL button on the sensor. | TSO.001.00 is shown | | Add a signal repeater. |
| | "Low Battery" alarm TSO.004.00 | Sensor is reporting a low battery. | Change the batteries in the sensor. |
| FACTORY RESET | SPECIFICATIONS | SNC | |
| Factory Reset should be used only when the primary controller is missing or otherwise inoperable. Press and hold, approximately 10 seconds, until the Status LED starts blinking. | SIZE (INCHES): | 3.25 X 2.0 x 0.60 | 0.60 POWER: 2 X AAA Alkaline Batteries |
| ** FOR INDOOR USE ONLY ** | WEIGHT: | 0.25 LBS | RF: Z-WAVE ZM5202,US 908.4 MHz / 916 MHz |

/ 916 MHz

| Do not send periodically; Range: 1–1 = Disabled; Range: 15 – 120° F Celsius; 1 = Fahrenheit Ge: 1 – 200; Parameter is in tenths of Disabled; Range: 1–120 minutes Disabled; Range: 1–100% Disabled; Range: 1–100% |
|---|
| riodically; Range: 1–127 hours nge: 15 – 120° F nge: 15 – 120° F nge: 15 – 120° F Number of extra attempts sent every nd renheit rameter is in tenths of degrees. e: 1-120 minutes e: 1-100% e: 1-100% e: 1-100% e: 1-120 minutes e: 1-120 minutes e: 1-121 minutes |

Configurable through third party Z-Wave systems.

23

Humidity Filter Time Constant

RW

30

Range: 1 –

60 minutes

| ASSOCIATION | ASSOCIATION GROUP INFORMATION TABLE | WATION TABLE | | |
|-------------|-------------------------------------|---|-------------------------------|-------------|
| GROUP | PROFILE | COMMAND CLASSES | GROUP NAME | MAX DEVICES |
| 1 | Lifeline | Battery Report, Multilevel Sensor Report, Device Reset Locally Notification | Lifeline | 7 |
| 2 | Sensor | Multilevel Sensor Report | Temperature Reports | 5 |
| 3 | Sensor | Multilevel Sensor Report | Humidity Reports | 5 |
| 4 | Sensor | Basic Set | Temperature Driven Basic Sets | 5 |
| 5 | Sensor | Basic Set | Humidity Driven Basic Sets | 5 |
| 6 | Sensor | Battery Report | Battery Reports | 5 |
| 1) | | | | |

FCC STATEMENT

communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures. B Digital Device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation must accept any interference received, including interference that may cause undesired operation. This equipment has been tested and found to comply with the limits for Class 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, and (2) This device This equipment generates and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Consult the dealer or an experienced radio/TV technician for help Connect the equipment into an outlet on a circuit different from that to which the receiver is connected

this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

fonctionnement. l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'encompromettre le







CERTIFIED

NEXIA