Z-Wave Temperature & Humidity Sensor ZSENS930AW00MA Installer Guide

IMPORTANT

Page - 1

Scan the QR code to view help videos

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	STEP 4 – Put the Z-Wave bridge in Add mode
Suggested criteria for finding the right sensor location:	Press the 🕂 or Add button on the bridge.
 Do not place near a supply register. Do not place near windows or on an exterior wall. 	STEP 5 – Add the sensor
 Do not place behind doors or where air flow can be blocked by furniture. Do not place where it may be subject to unnecessary or extreme temperature changes; 	Stand where the sensor is to be installed and press and release the button labeled "INSTALL" on the interior of the sensor
5. The optimum zone for correct placement of the sensor is at least 5 feet above the floor	STEP 6 – Connection Status.
and at least 2 feet below the ceiling.	The status LED next to the button on the interior of the sensor will blink rapidly for 3 seconds
STEP 2 – Remove the Back Plate	when it has been added to your Z-wave network.
Insert a small screwdriver beneath the tab at the bottom of the Back Plate and lift to unsnap it	STEP 7 – Mount the back plate at the right location
from the front. WRITE DOWN the Serial Number from the Back Plate of the sensor.	Anchors and screws are provided to mount the Back Plate.
STEP 3 – Insert the supplied batteries	STEP 8 – Mount the Sensor FINAL INSTALLATION STEP
Two 1.5 Volt AAA batteries are supplied in the box.	Once successfully added, snap the sensor onto the mounted Back Plate.
Please see Table 1. on Page – 2 to continue with adding a wireless sensor to the Z-Wave enabled 824, 850 and 1050 thermostats.	It will take 10 minutes after installation for the temperature and humidity values to stabilize due to handling.



Sensor with lowest battery level is shown on home screen.









Number Location ż Front INSTALL Plate NSTALL Button +Status LED Tab The latest version of this document can be found

Serial

on ComfortSite or ASDealernet.

Back Plate

Гор

* Instructions to add wireless sensors for previous software versions 5.1 to 5.3 may be found on ComfortSite or ASDealernet.



Front Plate Top

SERIAL#

LOCATION Or zone name if applicable Home owner should retain a copy of this document for their records.

ZONE NOTES: LOCATION:

SERIAL#	SERIAL#
LOCATION:	LOCATION:
SERIAL#	SERIAL#
LOCATION:	LOCATION:
SERIAL#	SERIAL#
LOCATION:	LOCATION:
SERIAL#	SERIAL#

LOCATION:

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.



	NOTE: This will work f	or both "Offline" and	'Online" sensors and	only ZSENS930	sensors may be re	emoved this way. T	he Summary Tabl	le will also work.
Software v 5.4	STEP 1 Unassign the sensor	STEP 2 Select the "Offline" s	ensor.		STEP 3 Remove the sensor		STEP 4	īge
Action	Follow steps 1 through 3 in Table 3 for the sensor(s) that are to be removed. They must be unassigned to be removed.	Once the sensor is ir "Wireless Sensors" Screen. Use the seri correct sensor. Selec NOTE: The button tu	the " Available Sens to show the Wireless al number to verify the t the sensor to be ren rns blue when selecte	ors" list, tap Sensors e device is the noved.	lap the "Remove" NOTE: If the sense need to press the ' need to press the of the waiting to Remo	button or is " Online " you v "I NSTALL " button s sensor while it's ve Device ".	Mill "Wireless S NOTE: To re to go throug	is now no longer listed in the Sensors " list. eturn a sensor to the list you will have yh the steps of Table 1 .
	930	Wireless Sen	SOIS Rattery	. ກ ກ 2. %	l	I	Wireless Sens	507S
	930 1806R2AAW	VX Online	or Battery : Not assi	i 63 %	Press	Add to inclu	de a wireles:	s sensor on this system
	Done	Z-Wave Bridge	Remove	Rename	Do	ne z	-Wave 3ridge	Remove Add
NOTE: This : an indoor ten	sensor can be added to nperature sensor (IDT)	any Z-Wave network from the Service Men	. It can also be added u.	to a Trane or an	American Standar	d connected therm	nostat with a built i	n Nexia bridge then assigned as
SUMMAR		PERATION			TROUBLESH		CURE	
 Press blinkir Press "WAK The se 	once to add or remc and hold, approxima ig to restore factory or three times rapidly to E_UP_NOTIFICATIC ensor will stay awake	we the sensor from ately 10 seconds, u defaults. o send a "BATTER DN" (if installed on : ∋ for 30 seconds.	a Z-Wave Netword ntil the STATUS LE Y_REPORT" and a network).	ED starts	Sensor fails to add to the network. (slow blinking of the Status	Out of range	Add a Z-Wave I module/dimmer and sensor. Firs following that d to add the sens desired sensing	repeating device (e.g. light r) at a location between the bridge st add the repeater to the network evice's instructions. Then try or to the network again at the g location.
STATUS LI	ED – Function follow	ing a button press: on for 30 seconds f	ollowing a button p	ress In that	seen on the bridge)	Improperly removed from network previously.	Remove the sei steps in Table 3	nsor from the network, follow the 3. Then add it back to the network.
time ti • Contir • Fast E	ne tollowing will be s nuous On: Device is n 3linking: Device is nu linking: Successfully	een: enrolled on a Z-Wa ot enrolled on a Z-V / added to or remov	ve Network. Vave Network. /ed from a Z-Wave	network.	Sensor drops connection intermittently	Edge of range	Add a Z-Wave i module/dimmer and sensor.	repeating device (e.g. light r) at a location between the bridge
ADD – Add	ing the sensor to an	existing Z-Wave n	stwork		Button press ignored	Button press too fast or too slow	Firm 1/2 second	d button press.
1. Set yc 2. Press 3. The S	ur home's Z-Wave E and release the INS tatus LED will blink r -Wave network You	3ridge into ADD Mc TALL button on the apidly for 3 seconc	de. sensor. s when it has been dicate that the sens	hadded to	Sensor goes from "Online" to		Change the bat	tteries in the sensor.
succe	ssfully added.	ŭ			"Offline" and "Missing	Sensor is enabled but offline (not	Remove the offi from Table 3 the	line sensor following the steps en reinstall or add a new sensor.
1. Set yc 2. Press	- Removing the sens our home's Z-Wave E and release the INS	or from a Z-Wave bridge into REMOV TALL button on the	E Mode.		alarm TSO.001.00 is shown	reporting).	Add a signal re	peater.
3. The S from y was si	tatus LED will blink r our Z-Wave network uccessfully removed	apidly for 3 seconc Your bridge will a	s when it has been so indicate that the	sensor	"Low Battery" alarm TSO.004.00	Sensor is reporting a low battery.	Change the bat	tteries in the sensor.
FACTORY	RESET				SPECIFICATIO	SN		
Factory Re otherwise ii LED starts	set should be used c noperable. Press and blinking.	only when the prima d hold, approximate	ary controller is mis ely 10 seconds, unt	sing or til the Status	SIZE (INCHES):	3.25 X 2.0 x (0.60 POWER:	: 2 X AAA Alkaline Batteries
	** FOR	INDOOR USE ON	LY **		VEIGHT:	0.25 LBS	RF:	Z-WAVE ZM5202,US 908.4 MHz / 916 MHz

Table 4.

REMOVING A ZSENS930 FROM A THERMOSTAT RUNNING v5.4 TCONT824, ACONT824, TCONT850, ACONT850, TZON1050, AZON1050

Page - 3

Z-WAVE C	ONFIGURATION TABL	μ,					Page - 4
Parameter	Description		Length (Bvtes)	R/W	Default Value	Valid Values	
-	Time between Battery Re	ports (hours)	_	R/W	0	0 = Do not send periodically; Range: 1–127	hours
2	Send BASIC SET ON abc	ove this temperature (See #20)	-	R/W	121	121 = Disabled; Range: 15 - 120° F	
ω	Send BASIC SET ON bel	ow this temperature (See #20)		R/W	121	121 = Disabled; Range: 15 – 120° F	
4	Send BASIC SET OFF at	pove this temperature (See #20)		R/W	121	121 = Disabled; Range: 15 – 120° F	
σı	Send BASIC SET OFF be	elow this temperature (See #20)	-	R/W	121	121 = Disabled; Range: 15 – 120° F	
0	Send multiple attempts fo	r all BASIC SET commands		R/W	0	0 = Disabled; 1-5 = Number of extra attempt minute after first send	s sent every
7	Temperature Units		-	RW		0 = Celsius; 1 = Fahrenheit	
8	Association Group1 – Ten	nperature delta auto send threshold		R/W	10	Range: 1 – 200; Parameter is in tenths of de	grees.
9	Association Group1 – Per	riodic temperature send interval		R/W	0	0 = Disabled; Range: 1-120 minutes	
10	Association Group2 – Ten	nperature delta auto send threshold		R/W	10	0 = Disabled; Range: 1 – 50; Parameter is ir deorees.	tenths of
11	Association Group2 – Per	riodic temperature send interval	-	RW	0	0 = Disabled; Range: 1-120 minutes	
12	Send BASIC SET ON abc	ove this humidity (See #20)	-	R/W	0	0 = Disabled; Range: 1–100%	
13	Send BASIC SET ON bel	ow this humidity (See #20)	-	R/W	0	0 = Disabled; Range: 1-100%	
14	Send BASIC SET OFF at	pove this humidity (See #20)		R/W	0	0 = Disabled; Range: 1-100%	
15	Send BASIC SET OFF be	elow this humidity (See #20)	_	RW	0	0 = Disabled; Range: 1-100%	
16	Association Group1 – Hui	midity delta auto send threshold	<u> </u>	R/W	ບາ	Range: 1-50%	
17	Association Group1 – Per	riodic humidity send interval	<u> </u>	R/W	0	0 = Disabled; Range: 1-120 minutes	
18	Association Group3 – Hui	midity delta auto send threshold	-	RW	σı	0 = Disabled; Range: 1-30%	
19	Association Group3 – Per	riodic humidity send interval	-	R/W	0	0 = Disabled Range: 1-120 minutes	
20	BASIC SET options for te	mperature and humidity		R/W		Configuration Register Combinations: 1 = Enable Registers 2, 5, 12 15 2 = Enable Registers 2, 5, 13, 14 3 = Enable Registers 3, 4, 12, 15 4 = Enable Registers 3, 4, 13, 14	
21	Temperature Offset		· -	RW	0	Range: -7 to 7° F	
22	Humidity Eiltor Timo Conc		<u>ـ</u> ا		30 0	Danco: 1 60 minutos	
* Configurable	through third party Z-Wave system	stems.	-	RW	ы С		
ASSOCIA	TION GROUP INFORM	ATION TABLE					
GROUF	PROFILE	COMMAND CLASSES			0	GROUP NAME	MAX DEVICES
	Lifeline	Battery Report, Multilevel Sensor Re Locally Notification	port, Dev	rice Res	et	ifeline	<u>د</u>
2	Sensor	Multilevel Sensor Report			T	emperature Reports	5
ω	Sensor	Multilevel Sensor Report				lumidity Reports	თ
4	Sensor	Basic Set				Emperature Driven Basic Sets	თ
ഗ	Sensor	Basic Set				lumidity Driven Basic Sets	თ
6	Sensor	Battery Report				Battery Reports	σ
FCC STATE	MENT						
This device (must accept B Digital Dev This equipm communicati reception, wh • Reorier • Increas	complies with Part 15 of the F any interference received, inc ice, pursuant to Part 15 of the ant generates and can radiate ons. However, there is no gu lich can be determined by tur it or relocate the receiving an to relocate the receiving an to relocate the receiving an	CC Rules. Operation is subject to the fo cluding interference that may cause unde praction frequency energy and, if not insta- rarantee that interference will not occur ir ning the equipment off and on, the user ning the equipment and receiver • Consu	lowing tw sired ope to provide led and u a particu s encoura s encoura t the equ	er or an e er or an e	xyperienced rates (1) This equipment table protection cordance with cordance with ation. If this e ation. If this e to an outlet o xyperienced rates xyperienced rates at the table of the table of the table of the table of the table of the table of the table of table of table of table of table table of table of table of table of table of table table of table of table of table of table of table table of table of table of table of table of table table of table of table of table of table of table table of table of table of table of table of table of table table of table of	device may not cause harmful interference, and (thas been tested and found to comply with the lin r against harmful interference in a residential insta n the instructions, may cause harmful interference quipment does cause harmful interference to radi quipment does cause harmful interference to radi interference by one or more of the following me in a circuit different from that to which the receiver adio/TV technician for help	2) This device hits for Class Illation. to radio o or television asures. is connected
Any change: This device r this device rr Le présent al l'appareil ne fonctionneme	or modifications not express complies with Industry Canad- ust accept any interference, i ust accept any interference, i pareil est conforme aux CNI doit pas produire de brouillagu ant.	ily approved by the party responsible for a license-exempt RSS standard(s). Ope including interference that may cause un R d'Industrie Canada applicables aux ap e, et (2) l'utilisateur de l'appareil doit acce	complian ation is s desired o pareils ra pter tout	be could v bject to t peration c dio exem brouillage	void the user's the following the device. of the device. the licence	s authority to operate the equipment. two conditions: (1) this device may not cause inter . L'exploitation est autorisée aux deux conditions jue subi, même si le brouillage est susceptible d'e	ference, and (2) suivantes : (1) ncompromettre le
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