

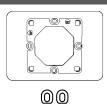


SALUS North America, Inc. 2215 Cornell Avenue Montgomery, IL 60538 www.salusinc.com

IN THE BOX YOU WILL FIND THE FOLLOWING:



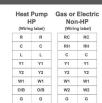




Wall Plate 2 x Wall Plate Spacers



2 x Wood Screws 2 x Wall Anchors 2 x Locking Pins



Wire Labels



2 x AA Alkaline Batteries



User Manual



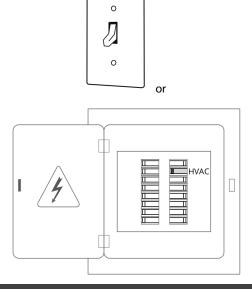
Installation Guide

YOU WILL NEED THE FOLLOWING TOOLS:

- #1 Phillips or flathead screwdriver
- Drill with 3/16" bit (only if you cannot mount the thermostat using the existing holes)

STEP 1

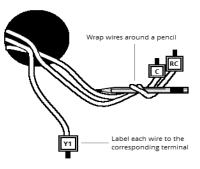
TURN OFF POWER TO THE HVAC SYSTEM



STEP 3 REMOVE OLD THERMOSTAT

Remove the old thermostat from the wall, taking care not to allow the wiring to fall inside the wall.

TIP: Wrap the wire ends around a long stick (such as a pencil) to keep the wires from falling into the wall.



Optional Tools

- Smartphone or digital camera to take picture of wiring for later reference
- Screwdriver to disconnect wires from old thermostat
- Pencil

STEP 2 DETERMINE WIRING CONFIGURATION

Use the Wire Labels and the following table to keep track of wire colors on the old thermostat or on the heat pump / furnace / air conditioner.

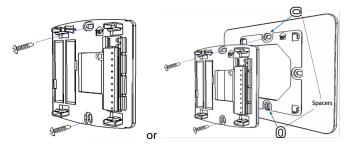
HP	NON-HP	Wire Color
R	R or RH	
	RC	
	С	
Y or Y1		
Y2		
AUX	W or W1	
O/B	W2	
G		
L		

For new installations, refer to Appendix A and the "Install Mounting Plate" sections of the *Optima S User Manual*.

STEP 4 INSTALL MOUNTING PLATE

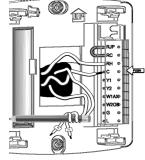
If there is space on the wall that needs to be covered, insert the Wall Plate between the Mounting Plate and the wall, and mount both plates using the same screws.

Make sure the wires run through the center opening.



STEP 5 ATTACH WIRING

- Using the labels, match the wires to the appropriate terminal.
- For each wire, press the terminal button and fully insert the wire into the side hole.
- Release the terminal button to secure the wire.
- If you have RC and RH wires, remove the jumper betweeen RC and RJP.
- ST898ZBR works as a router and requires RH/RC and C-wire.



STEP 7 ATTACH THERMOSTAT TO MOUNTING PLATE

After the initial configuration, the home screen will be displayed, and the thermostat is ready to be attached to the Mounting Plate.

Align the connector pins and the plastic retention posts, then push the thermostat onto the Mounting Plate.

Make sure the connector pins are not bent and that the **thermostat is fully seated** on the Mounting Plate.



STEP 9 INITIAL CONFIGURATION

After initial power-up, the thermostat will attempt to pair with a network for 10 minutes. **You may need to initiate scanning for devices in your connected home system.** Once paired, canceled with the Down button (\underline{X}), or timed out, the device will ask for the following initial settings.

To move forward and back through the Settings menu and make any changes to the settings, the buttons function as follows:

Touch Button	Type	Action
☆ Settings		Enter Settings menu, Save and go to next parameter setup
+ or	Short	Increment parameter value by 1
<u> </u>	Long	After long press time, increment by 1 at 4 Hz rate while key remains down
	Short	Decrement parameter value by 1
-	Long	If applicable, decrement value by 1. After long press time, decrement by 1 at 4 Hz rate while key remains down
Back		Save and go to previous parameter setup

After 30 seconds of no user input, changes will be saved, and the device will return to Home screen.

Configuration Parameters

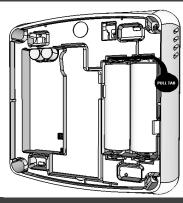
See "Configuring the Thermostat" section in the *Optima S User Manual* for more details.

EOPT TYP-	Choose HVAC Type
REVERS VALVE-	Set Reversing Valve
FAN ENTL-	Select fan control
AUX FUNE-	Auxiliary Relay function
AUX ACTIVE-	Auxiliary Relay operation
TEMP SEL-	Internal or remote temperature sensor
INT TEMP OFFST	Internal temperature sensor offset
RMT TEMP OFFST	Remote temperature sensor offset
ILTA IST STAGE	Heating differential 1st stage
ILTA 2NI STAGE	Heating differential 2 nd stage
ILTA IST STAGE	Cooling differential 1 st stage
DLTA 2ND STAGE	Cooling differential 2 nd stage °

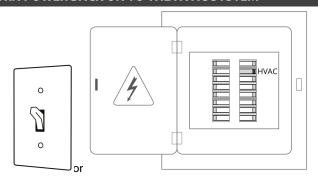
STEP 6 CONNECT THE BATTERIES

Pull the battery tab from the back of the thermostat to activate the batteries.

- If the C wire is connected, the thermostat will draw power from the AC connection and use the batteries as backup.
- Battery-only operation typically lasts 18 months.
- ST898ZBR works as a router and cannot run on batteries.



STEP 8 TURN POWER BACK ON TO THE HVAC SYSTEM



OPTIONAL STEP CONFIGURE THE NEW THERMOSTAT

Settings that can be changed include:

J	J			
YIYZ MIN OFF T	Compressor protection.			
FAN JELAY	Fan Delay after cooling stops.			
HERT MRX SETPT	Max Heating Set point			
COOL MIN SETPT	Min Cooling Set point			
JERJ JANJ	Dead band value is used for Auto mode.			
SET FROST TEMP	Frost setpoint			
HERT PROTECT	Heat Protect Setpoint			
LOCK SRC-	Key Lock Source (Device+App or App Only)			
LEK-	Key Lock Type (Mode / FAN / Set Pt / Param / Combinations)			
JEGREE UNITS	C/F Selection			
BRIGHTNESS	Set display brightness			
DISPLAY ON-	Display On Time in seconds			
LANGUAGE-	Language Selection			
SA HONK EFOCK	Time Display Format			
SHOW HUMIDITY	Show or hide humidity reading			
HUMIDITY SETPT	Humidity Set Point			
TIME	Set Time and Date (see note)			
IST RIJUST	Enable Day Light Saving (see note)			
SET YEAR	Set Year (see note)			
IRTE M/I-	Set Month and Date (see note)			
EDIT-	Display current schedule mode:			
LOCK KEYS?	To lock and unlock the keypad			
IDENTIFY?	Identify devices on the shared channel			
JOIN NETWORK?	Initiate Join to available network			
NEW NETWORK?	Delete network and Join new network			
FRETORY RESET?	Reset to Factory default settings			
Note: These settings will not appear if you are connected to the Internet				

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