
sections of the Optima S User Manual．

## STEP 4 <br> 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 |
|  | Short | Increment parameter value by 1 |
|  | 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.

| EQPT TYP.- | Choose HVAC Type |
| :---: | :---: |
| REVERS VRLVE* | Set Reversing Valve |
| FRN [NTL - | Select fan control |
| RUK FLINE- | Auxiliary Relay function |
| RLJ RETIbE- | Auxiliary Relay operation |
| TEMP 5EL- | Internal or remote temperature sensor |
| INT TEMP DFFST | Internal temperature sensor offset |
| RMT TEMP DFFST | Remote temperature sensor offset |
| DLTR 15T 5TREE | Heating differential $1^{\text {st }}$ stage |
| DLTR END 5TREE | Heating differential $2^{\text {nd }}$ stage |
| DLTA 15T 5TREE | Cooling differential $1^{\text {st }}$ stage |
| DLTA END 5TREE | Cooling differential $2^{\text {nd }}$ stage ${ }^{\circ}$ |

## 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:

| YYC MIN DFF T | Compressor protection. |
| :---: | :---: |
| FRN DELRY | Fan Delay after cooling stops. |
| HERT MRK SETPT | Max Heating Set point |
| [DEL MIN SETPT | Min Cooling Set point |
| DERD BRND | Dead band value is used for Auto mode. |
| 5ET FREST TEMP | Frost setpoint |
| HERT PRDTELT | Heat Protect Setpoint |
| LDEK 5RE- | Key Lock Source (Device+App or App Only) |
| LEK- | Key Lock Type (Mode / FAN / Set Pt / Param / Combinations) |
| DEGREE LINITS | C/F Selection |
| BRIGHTNE55 | Set display brightness |
| DISPLRY DN- | Display On Time in seconds |
| LANELREE- | Language Selection |
| 24 HDLR CLDEK | Time Display Format |
| 5HEW HLMIDITY | Show or hide humidity reading |
| HLMMIDITY SETPT | Humidity Set Point |
| TIME | Set Time and Date (see note) |
| 75T RTLUST | Enable Day Light Saving (see note) |
| SET YEAR | Set Year (see note) |
| DRTE Mi]- | Set Month and Date (see note) |
| EDIT.- | Display current schedule mode: |
| LDEK KEYS? | To lock and unlock the keypad |
| IDENTIFY? | Identify devices on the shared channel |
| ULIN NETWDRK? | Initiate Join to available network |
| NEW NE TWDRK? | Delete network and Join new network |
| FRETORY RESET | Reset to Factory default settings |

