

To use the remote features of this thermostat, a Schlage LiNK™ account is required. Schlage LiNK™ online setup requires broadband internet service and router with available port.

For professional installation service, instructions, operation guide, and installation video modules, please visit link.schlage.com

Customer Service: (877) 288-7707

Customer Service hours of operation:

- Monday-Friday 9:00am-7:00pm EST
- Saturday 11:00am-6:00pm EST
- Sunday 11:00am-4:00pm EST

The Trane Thermostat **is compatible** with single and multistage forced air systems, including:

- Gas furnace systems
- Oil furnace systems
- Electric furnace systems
- Heat pump systems
- Air conditioning systems

The Trane Thermostat **may be compatible** with some other system types, including:

- Boiler systems
- Geothermal systems
- Multi-zoned systems

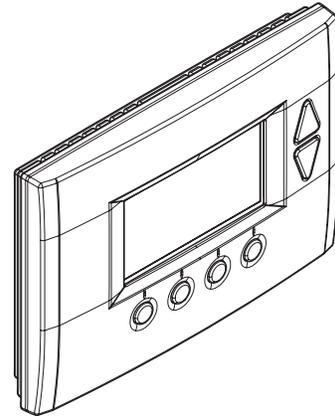
Call (877) 288-7707 to verify compatibility.

The Trane Thermostat **is not compatible** with the following system types:

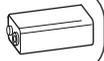
- Radiant floor systems
- Wall heating systems

Also, the Trane Thermostat **is not compatible** with dual fuel systems (gas furnace & heat pump combined) without adding a special kit. See Note below.

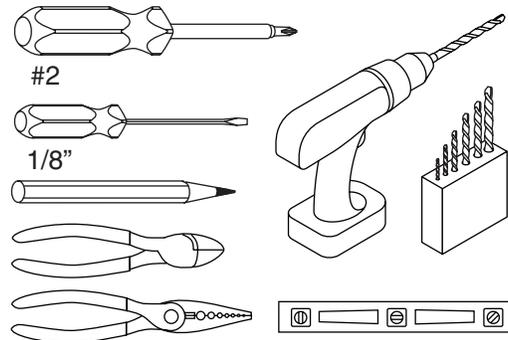
- **Note about dual fuel systems: This thermostat is not compatible with dual fuel systems (heating system with both heat pump and gas furnace), unless the system is controlled with a dual fuel accessory relay kit. If you are unsure whether your dual fuel system is controlled with this accessory or if you need a dual fuel kit, please contact a qualified heating and cooling contractor.**



Bridge requires one 9-Volt battery for enrollment process. Battery not included.



Tools Needed



Physical Installation and Wiring

1



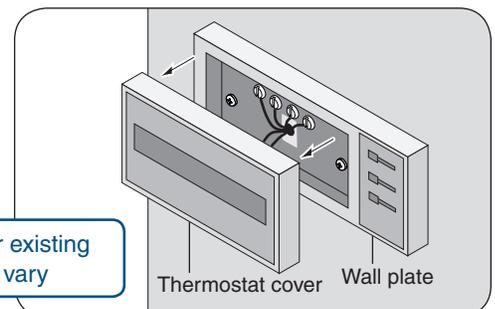
WARNING

Voltage hazard. Can cause electrical shock or equipment damage. Disconnect power to heating and cooling equipment before beginning installation.

2

Remove the existing thermostat cover from the wall plate. Leave wires attached.

Consult instructions that came with existing thermostat as needed.



The look of your existing thermostat may vary

Thermostat cover Wall plate

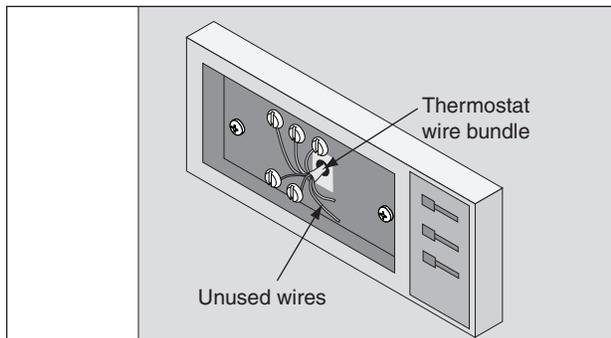
3 Determine if your system has a 24 VAC common wire which is required to power the thermostat.

- If your system is a heat pump, skip to step 4.

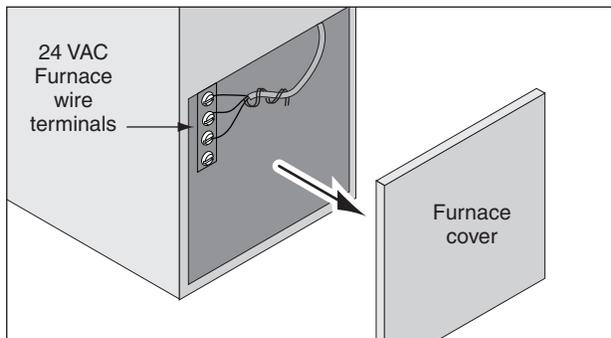
- a. If your existing thermostat has a terminal named C, COM, X, or B with a wire connected to it, skip to step 4.
- b. If your thermostat does not have that terminal, or does not have a wire connected to it, go to step 3a.

3A Connect a 24 VAC common wire to power the thermostat.

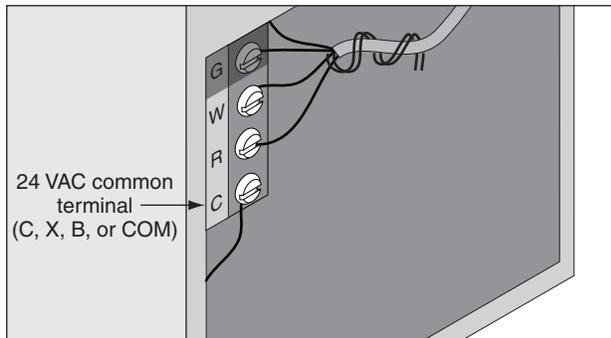
- a. Locate all unused (disconnected) wires from the thermostat wire bundle and write down the colors.
 - 24V Common wire is typically (not always) colored blue



- b. Go to your HVAC unit and remove the cover(s) to access the 24 VAC furnace wire terminals.

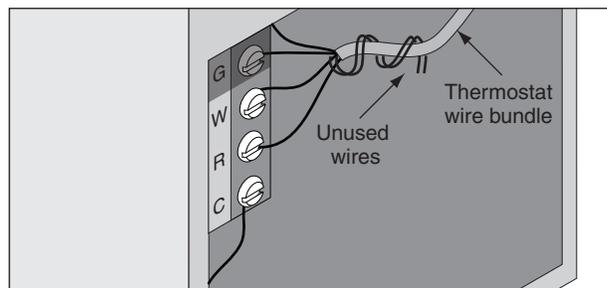


- c. Find the 24 VAC common terminal identified with the letter C, X, B, or COM.
 - This terminal may already have a wire connected to it but it may not be a wire that goes to the thermostat



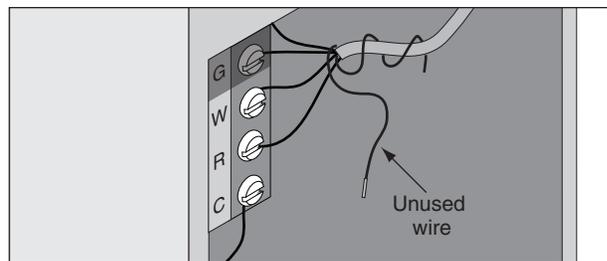
- d. Locate the thermostat wire bundle inside the furnace panel.

- This wire bundle is routed from the thermostat, through the walls, and into the furnace panel.
- This bundle can be identified at the furnace by checking the wire colors connected and not connected and comparing to the wire bundle at the thermostat.



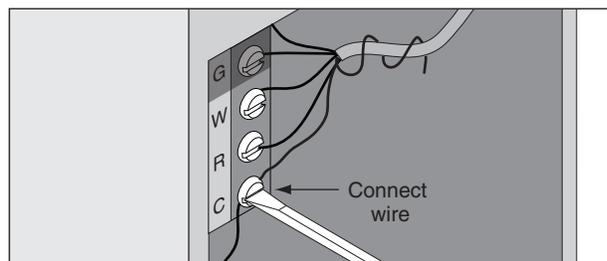
- e. Find a wire from the thermostat bundle that is unused at the thermostat and at the furnace.

- It is possible that one of the unused wires at the thermostat will already be connected to the 24 VAC common terminal at the furnace. If so, go to step 4.



- f. Connect the unused wire to the 24 VAC terminal, then replace the furnace cover.

- The 24 VAC common wire is typically (but not always) blue in color. If the blue wire has been unused, it is recommended that you use the blue wire.



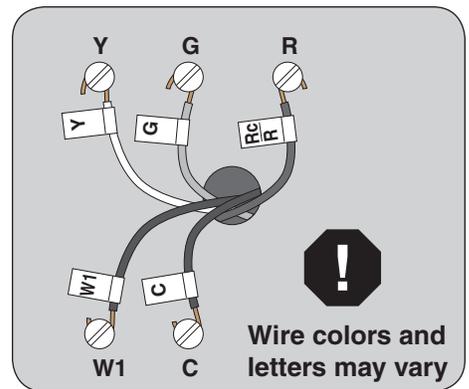
If you are unsure about connecting this wire or you do not have any unused wires at the thermostat, contact Customer Service at (877)288-7707.

4 Label the wires on your existing thermostat to match terminal names.

- Do not use wire colors to chose labels. The terminal name is what is important.
 - Locate the wiring labels located in the box with the new thermostat.
 - Look at where each wire is connected to the existing thermostat and find the letter shown next to that wire terminal.
 - Peel off the matching label and wrap it around each corresponding wire.

Important Notes:

- If you have a short jumper wire between two terminals, remove the jumper and do not label it. This jumper wire is not required on the new thermostat.
- If you had to connect a new 24 VAC common wire in step 3a, you will use the “C” label on that wire.
- If you have a W terminal, use the W1/W label on that wire.
- If your thermostat has any terminals with names that do not match any on the label, write down the terminal names and wire colors for later reference.



B	C	E	F	G	O	L	Y1	Y2
B	C	E	F	G	O	L	Y1	Y2
Rc R	Rh R	X2	T	W1 W	W2	W3	X	Y
R Rc	R Rh	X2	T	W W1	W2	W3	X	Y

5 Remove existing wall plate.

- Note: During this process, make sure that the wires do not pull back into wall opening.
 - Detach all wires from wall plate.
 - Remove all screws attaching the wall plate to the wall and remove wall plate.
 - See “MERCURY NOTICE” below.

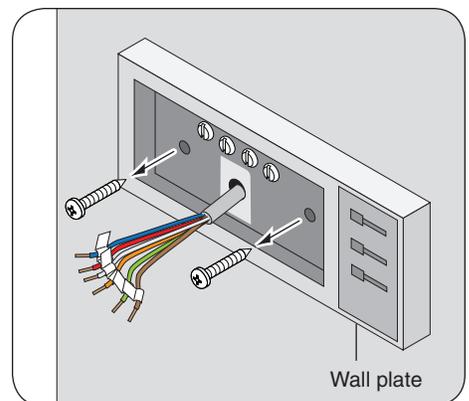


MERCURY NOTICE

When this control is replacing an old control that contains mercury in a sealed tube, do not dispose of your old control in the trash. Dispose of properly. Contact your local waste management authority for instructions regarding recycling and proper disposal of the old control.

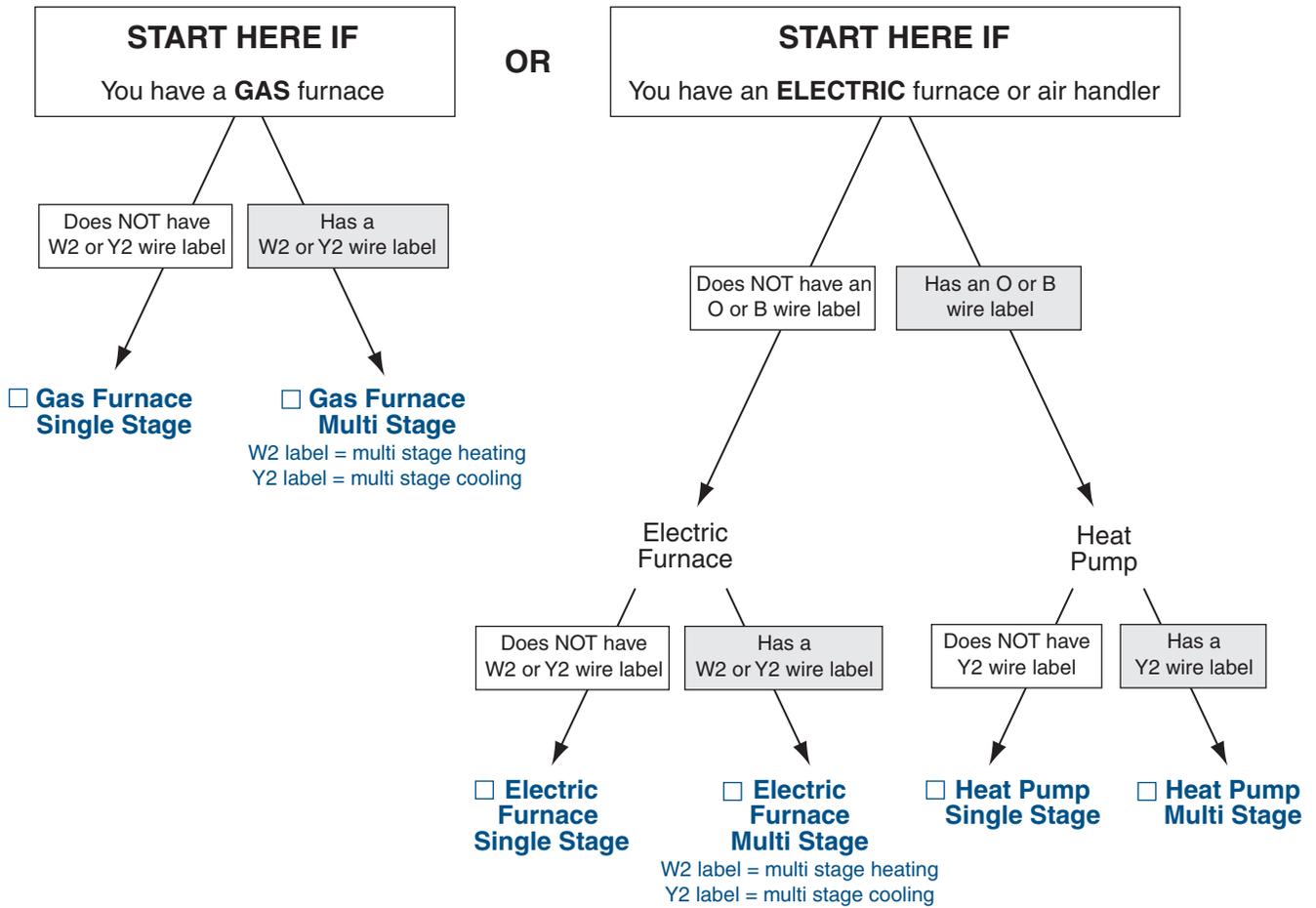


A listing of heating, ventilating and air conditioning wholesalers that participate in the Thermostat Recycling Corporation’s recycling program are available at www.thermostat-recycle.org.



6 Identify your **System Type** from the list below.

You will need to check your wire labels to help identify the system type.



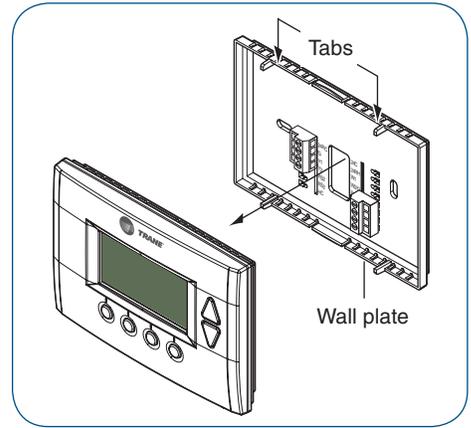
CAUTION: EQUIPMENT DAMAGE HAZARD

Improper system type selection can lead to equipment damage or high utility costs. Follow the System Type table carefully to properly select and setup the control to ensure proper heating and cooling system operation.

7 Separate the face of the new thermostat from the wall plate.

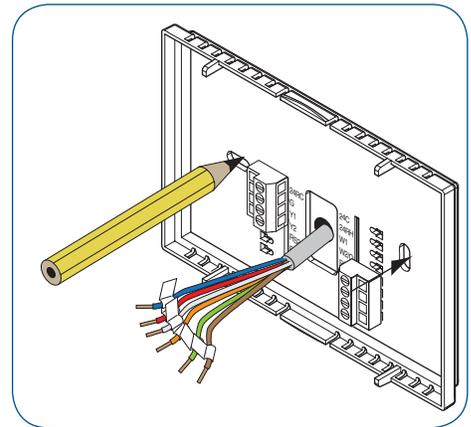
Apply pressure at two tabs on top of wall plate to release it.

- **NOTE: It is not recommended that this Z-wave thermostat be mounted onto metal structures. Metal may affect the radio frequency (RF) communication between the thermostat and the Z-wave signal to the Schlage Bridge.**



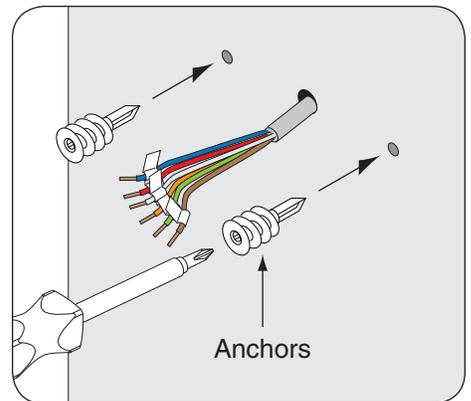
8 Mark two mounting holes using new wall plate.

- Pull wires through hole in center of wall plate.
- Locate the new wall plate over existing opening.
- Mark two holes with pencil.
- Use a level to verify that the two holes locations are level.
- Correct holes locations as needed.



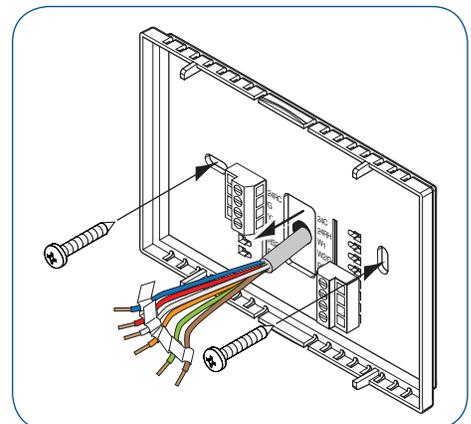
9 Prepare two mounting holes.

- Drill 1/16" pilot holes in the two locations that were marked in step 9. If mounting to drywall with no studs behind it, enlarge pilot holes to 1/8" for anchors.
- If using anchors, screw them into the holes.



10 Install new wall plate.

- Pull wires through hole in center of wall plate.
- Locate the new wall plate over existing opening.
- Attach wall plate to wall using two screws provided. Do not overtighten.



11 Review the wiring table information.

- Refer to:
 - Table 1 - If you do NOT have a heat pump
 - Table 2 - If you have a heat pump
- Select the correct row based upon the thermostat being replaced, and then circle the wire labels you have.
- Connect your wires as shown in the New Thermostat Terminals row.

Some wire terminals may not be used

Table 1: Gas or Electric
(Single Stage or Multistage)

Thermostat Being Replaced	Wire Labels							
All Brands	C X B	R RC	RH	W W1	W2	G F	Y Y1	Y2
Connects to	↓	↓	↓	↓	↓	↓	↓	↓
New Thermostat Terminals	24COM	24RC	24RH	W1	W2/O/B	G	Y1	Y2

Table 2: Heat Pump
(Single Stage or Multistage)

Some wire terminals may not be used

Thermostat Being Replaced	Wire Labels								
Trane/American Standard (Weathertron) or York	COM C B	R RC	RH	E X2	W W1 W2 Y AUX	O	G	Y Y1	Y2
Other Brands	COM C X	R RC	RH	E X2	W W1 W2 Y AUX	O B	G F	Y Y1	Y2
Lennox	C X	R RC **VR **V	RH	E X2	W W1 W2 Y AUX	O **R	G F	Y Y1	Y2
Connects to	↓	↓	↓	↙ ↘	↓	↓	↓	↓	
New Thermostat Terminals	24COM	24RC	24RH	*W1	W2/O/B	G	Y1	Y2	

* Connect two wires to the W1 terminal

** If your existing thermostat has a "V" or "VR" wire label, connect that wire to "24RC" on the new thermostat, then connect the wire labeled "R" to "W2/O/B" on the new thermostat

12 Attach all wires securely to the new thermostat.

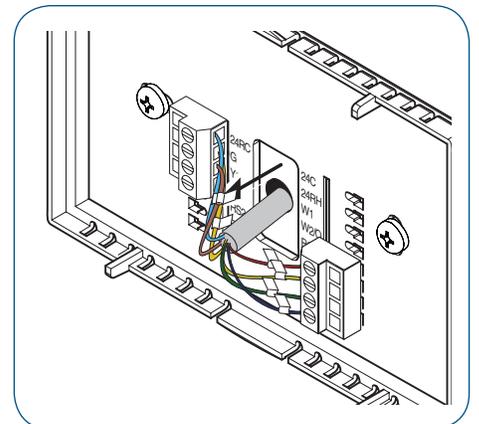
Note: A wire must be connected to "24C" to power the thermostat.

- Use the information from step 11 to match the wires to the correct terminals.
- Use 1/8" blade screwdriver to secure wires in terminals.



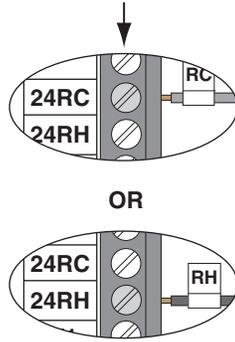
CAUTION: EQUIPMENT DAMAGE HAZARD

Improper wiring can lead to equipment damage. Follow the Terminal Connection information from step 11 carefully to ensure the control is wired properly. After wires are secure, bare wires **MUST NOT** touch each other.

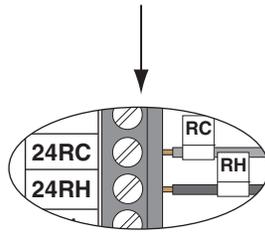


13 If necessary, cut the internal jumper wire (JP1).

If only one wire is connected to either 24RC or 24RH as shown
Do NOT cut JP1 jumper

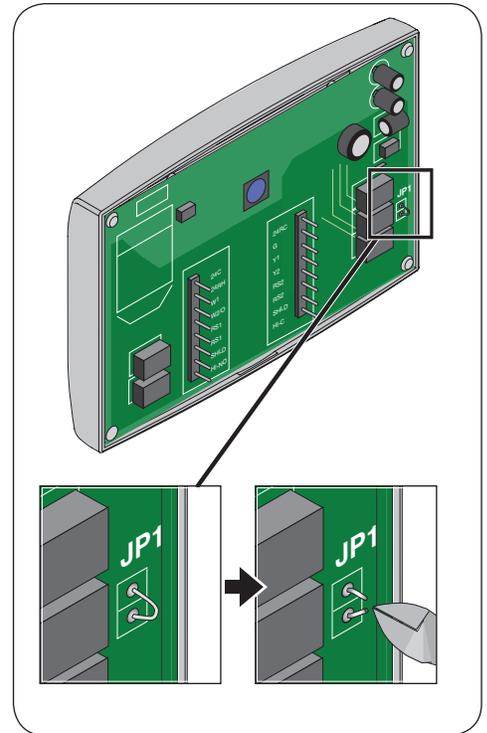
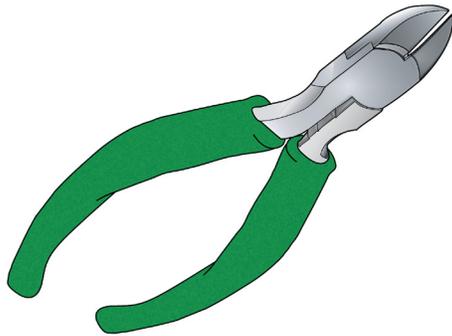


If wires are connected to both 24RC and 24RH as shown
Cut JP1 jumper



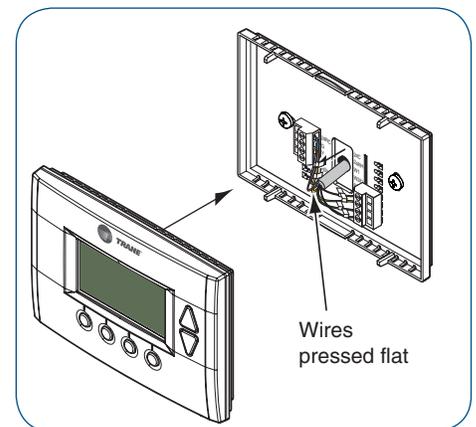
Cutting the JP1 jumper

The jumper is located on back of the thermostat face as shown in the illustration to the right. Cut the jumper using small diagonal cutters being careful not to damage the board.



14 Attach the thermostat face to the wall plate.

- Tuck wiring flat inside the wall plate.
 - It is critical that wires are not bunched together and that they are pressed flat.
- Carefully align the face plate to the wall plate while aligning pins into wire terminals.
- Once thermostat face is properly aligned, apply pressure at top and bottom of thermostat face until it is secure.



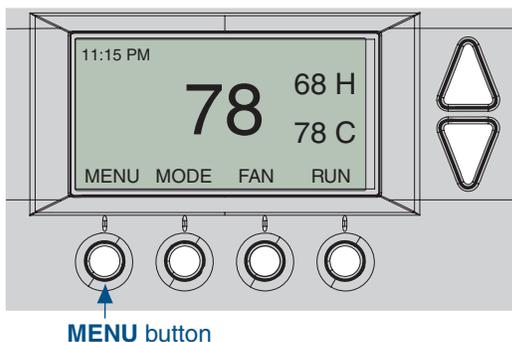
15 Turn power to heating and cooling system back on.

The thermostat display should turn on and begin displaying information. If the thermostat display does not come on, go back through the installation steps and look for problems. Pay special attention to steps 3, 3a, and 11.

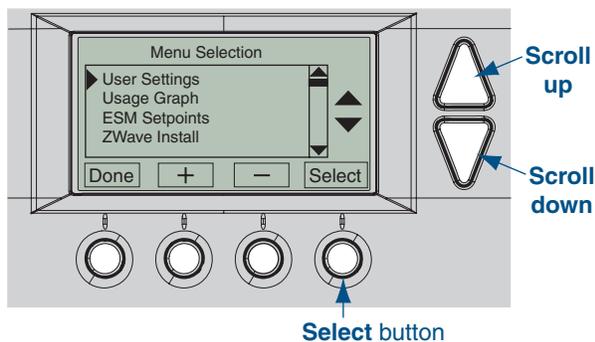
System Settings at Thermostat

16 Set Time and Date

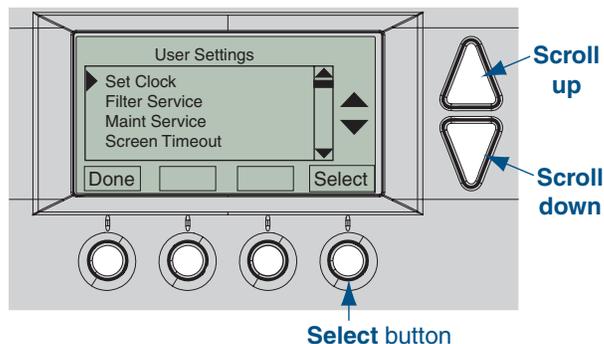
a. Press the **MENU** button twice.



b. Scroll up or down to **User Settings** (it is the first option), then press the **Select** button.



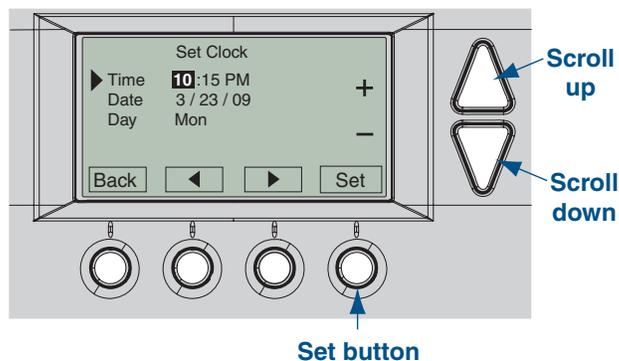
c. Scroll up or down to **Set Clock** (it is the first option), then press the **Select** button.



d. Press ◀ or ▶ to highlight the data you want to change.

e. Scroll up or down (+ or -) to make changes.

f. Press the **Set** button when you are finished.



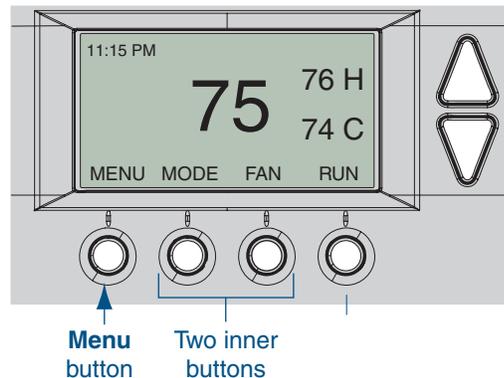
g. Press the **Done** button twice to exit the menu.

17 If your System Type is:

- Gas Furnace - Single Stage**, go to step 19
- Gas Furnace - Multistage**, perform step 18A
- Electric Furnace**, perform step 18B
- Heat Pump**, perform step 18C
- **Note:** It may be necessary to go back and review step 6 in the installation section to verify the differences between the system types.

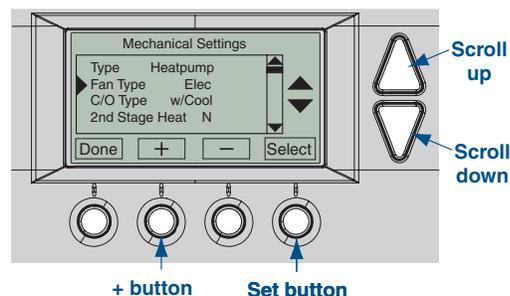
18A Gas Furnace - Multistage Mechanical Settings

- Press the **MENU** button twice.
- Press and hold the two inner buttons for 3 seconds to view **Installer Settings**.
- Scroll down to **System Settings** and press the **Select** button.
- Scroll to **Mechanical Settings** (it is the first option), then press the **Select** button.
- Scroll down to **2nd Stage Heat**.
- Press the **+** button to change the setting to **Y** for Yes.
- If your system also has 2nd stage cooling, scroll down to **2nd Stage Cool** and press the **+** button to change the setting to **Y** for Yes.
- Press the **Done** button 4 times and go to step 19.



18B Electric Furnace Mechanical Settings

- Press the **MENU** button twice.
- Press and hold the two inner buttons for 3 seconds to view **Installer Settings**.
- Scroll down to **System Settings** and press the **Select** button.
- Scroll to **Mechanical Settings** (it is the first option), then press the **Select** button.
- Scroll down to **Fan Type**.
- Press the **+** button to change the setting **Electric**.
 - If Single Stage System, press **Done** 4 times and go to step 19.
 - If Multistage System, continue with steps "g" through "j".
- Scroll down to **2nd Stage Heat**.
- Press the **+** button to change the setting to **Y** for Yes.
- If your system also has 2nd stage cooling, scroll down to **2nd Stage Cool** and press the **+** button to change the setting to **Y** for Yes.
- Press the **Done** button 4 times and go to step 19.



18C Heat Pump Mechanical Settings

- Press the **MENU** button twice.
- Press and hold the two inner buttons for 3 seconds to view **Installer Settings**.
- Scroll down to **System Settings** and press the **Select** button.
- Scroll to **Mechanical Settings** (it is the first option), then press the **Select** button.
- Scroll to system **Type**.
- Press the **+** button to change the setting to **Heat Pump**.
- Scroll down to **Fan Type**.
- Press the **+** button to change the setting **Electric**.
 - If Coleman, Rheem, or Rudd brand heat pump, scroll to **C/O Type** and change to **With Heat**.
 - If Single Stage System, press **Done** 4 times and go to step 19.
 - If Multistage System, continue with steps "j" through "n".
- Scroll down to **2nd Stage Heat**.
- Press the **+** button to change the setting to **Y** for Yes.
- Scroll down to **2nd Stage Cool**.
- Press the **+** button to change the setting to **Y** for Yes.
- Press the **Done** button 4 times and go to step 19.

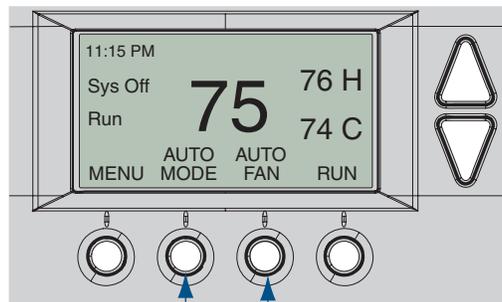
Perform System Checkout

19 Test Fan Operation

- Press the **FAN** button.
- Scroll to **ON**.
- Verify that the system fan starts and moves air.
- Press the **FAN** button.
- Scroll to **AUTO**.
- Press the **Done** button to return to the home screen.

Test Cooling Operation (if your system has cooling)

- Press the **MODE** button.
- Scroll to **COOLING**.
- Press the **Done** button to return to the home screen.
- Turn the temperature down using the scroll down button until the new setpoint is below the room temperature.
- Verify that the outdoor unit and the system fan come on and run.



MODE button
FAN button



CAUTION: Do not run the air conditioner if the outdoor temperature is below 55 degrees F.

Test Heating Operation (if your system has heating)

- Press the **MODE** button.
- Scroll to **HEATING**.
- Press the **Done** button to return to the home screen.
- Turn the temperature up using the scroll up button until the new setpoint is above the room temperature.
- Verify that the heating system turns on and runs.

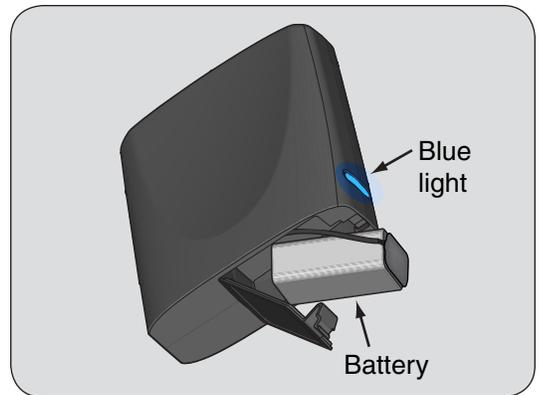
- Note:** It may take approximately 5 minutes for the system to start up after switching from **COOLING** to **HEATING** mode. There is a built in time delay which will not allow the equipment to turn on until it is ready. The screen will display the word "Wait" until the time delay has finished.

This concludes the system checkout. If any part of your system fails to come on when performing this checkout procedure, verify that the correct wires were connected to the wall plate and that each wire is securely attached to the appropriate terminal. Also go back and verify that you have set up the Mechanical Settings to match your System Type.

Enroll Thermostat into existing Schlage LiNK™ System

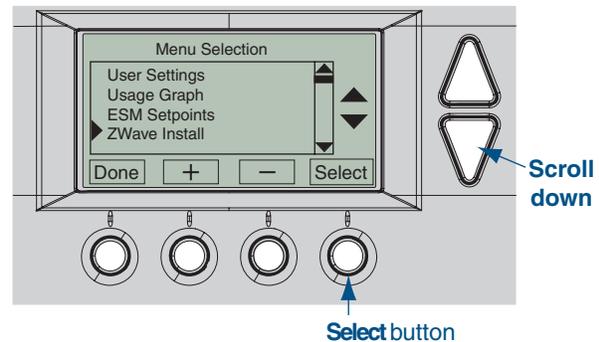
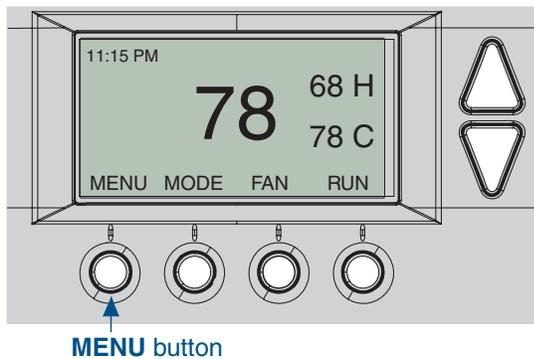
20 Prepare the Schlage Bridge for enrollment.

- If you are using a controller that is not a Schlage Bridge, consult the instructions that came with the controller to find out how to enroll a new device.
- a. Unplug Ethernet and power cables from Schlage Bridge.
 - b. Install a quality 9 volt battery.
 - c. Verify that blue light is blinking. If blue light is solid, battery is dead. Replace with new 9 volt battery, if needed.
 - d. Take the Schlage Bridge to the location where the thermostat is mounted.



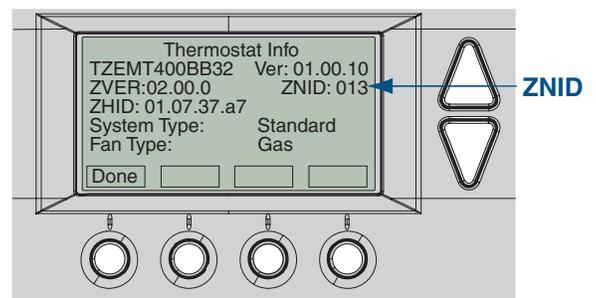
21 Enroll the thermostat into the Schlage Bridge.

- a. Hold the Schlage Bridge within 6 feet (1.8 meters) of the thermostat throughout steps "b" through "f".
 - **Important Note:** After you begin the enrollment process, you have 30 seconds to complete the remainder of the steps. Study the steps below before beginning.
- b. Press and release the plus (+) button on the Schlage Bridge.
- c. Press the **MENU** button on the thermostat.
- d. Scroll down to **Z Wave Install**, and press the **Select** button.
- e. Press the **Yes** button to enroll the thermostat.
- f. Observe the lights on the Schlage Bridge. The orange light will blink while enrollment is taking place. Enrollment is complete when the orange light becomes solid.



22 Verify enrollment of the thermostat.

- a. Scroll down to **Thermostat Info**, and press the **Select** button.
- b. Look at the number listed after **ZNID**.
 - If the number listed there is anything other than "000", the thermostat has been successfully enrolled.
 - If the number listed there is "000", the thermostat has NOT been successfully enrolled. In this case, repeat step 21 and verify again.
- c. Press **Done** button 2 times when finished.



Establish Online Control of the Thermostat.

A Schlage LiNK account is required to complete the setup.

If you have an active Schlage LiNK account, continue with the steps below.

If you need to create a new account, go to www.schlagelink.com and click on “Just Purchased A Schlage LiNK System?”

For more information about the Schlage LiNK system, visit www.link.schlage.com.

Completing the setup.

- a. Remove the battery from the Schlage Bridge.
- b. Plug the Ethernet and power cord back into the Schlage Bridge.
- c. Log into your account at www.schlagelink.com.
- d. Click the **Climate** tab and follow the on-screen instructions.

