VIVE™ COMFORT

TP-S-855C

VIVE Comfort
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Springfield, MO 65804

Toll-Free: 1-800-776-1635 **Web:** www.vivecomfort.com
Hours of Operation: M-F 9AM - 6PM Eastern

Thermostat Applications Guide

Description	
Gas or Oil Heat	Yes
Electric Furnace	Yes
Heat Pump (No Aux. or Emergency Heat)	Yes
Heat Pump (with Aux. or Emergency Heat)	Yes
Multi-stage Systems	Yes
Heat Only Systems	Yes
Cool Only Systems	Yes
Millivolt	Yes

Power Type

Battery Power
Hardwire (Common Wire)
Hardwire (Common Wire) with Battery Backup

A trained, experienced technician must install this product.

Carefully read these instructions. You could damage this product or cause a hazardous condition if you fail to follow these instructions.

Una versión en español de este manual se puede descargar en la página web de la compañía.

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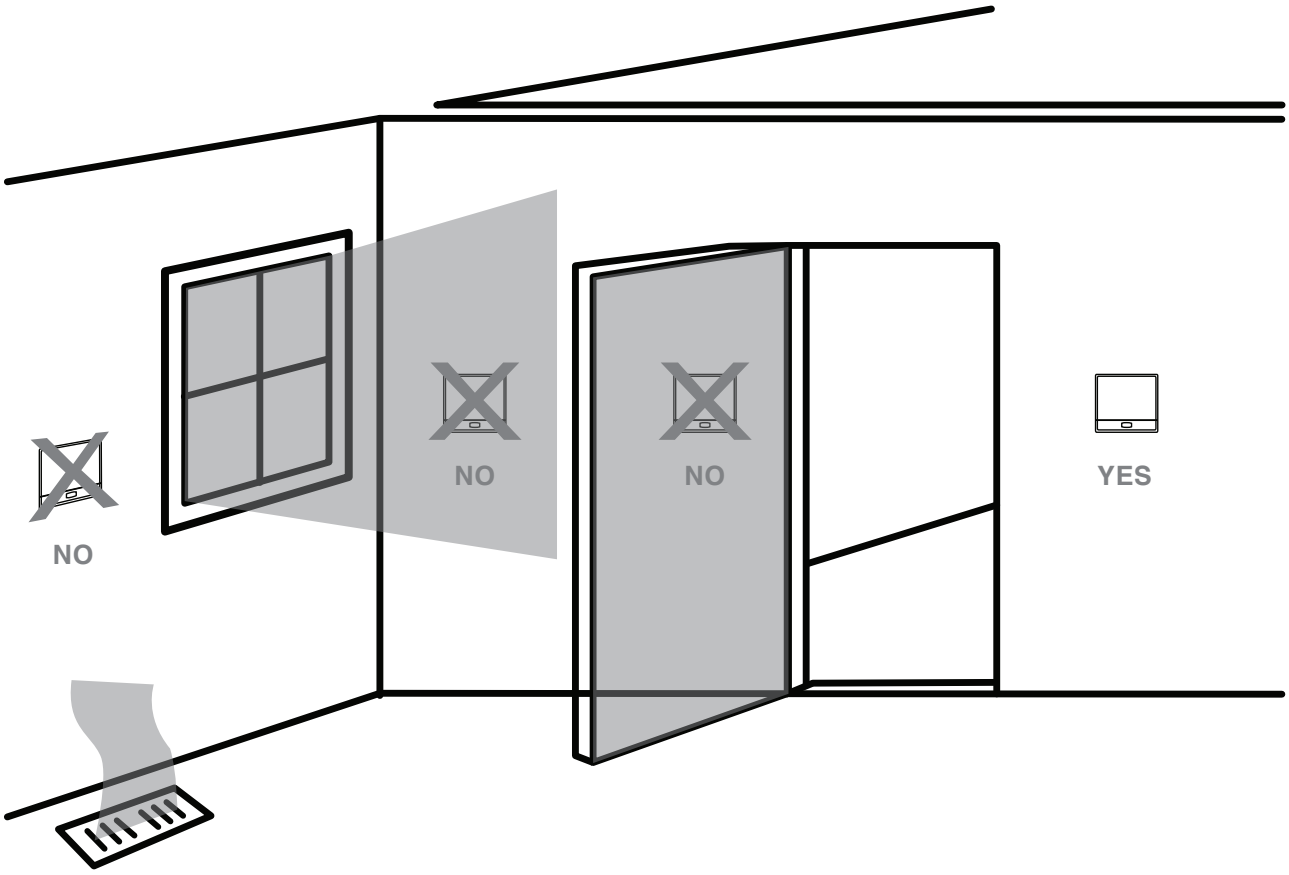
INSTALLATION TIPS

Wall Locations

The thermostat should be installed approximately 4 to 5 feet above the floor. Select an area with average temperature and good air circulation.



Do not install thermostat in locations:

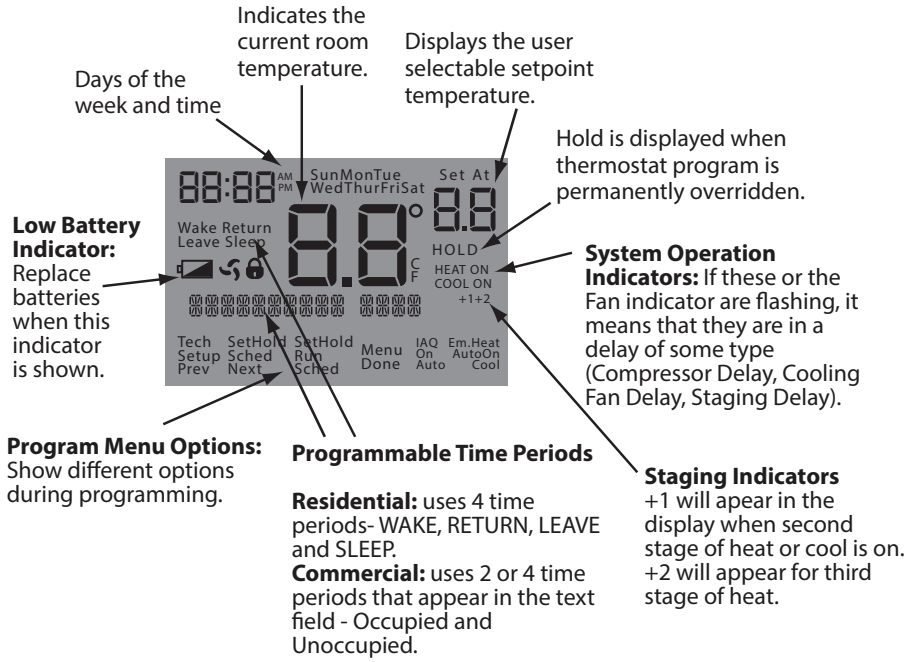
- Close to hot or cold air ducts
- That are in direct sunlight
- With an outside wall behind the thermostat
- In areas that do not require conditioning
- Where there are dead spots or drafts (in corners or behind doors)
- Where there might be concealed chimneys or pipes

Installation Tip

Pick an installation location that is easy for the user to access. The temperature of the location should be representative of the building.

THERMOSTAT QUICK REFERENCE

Getting to know your thermostat

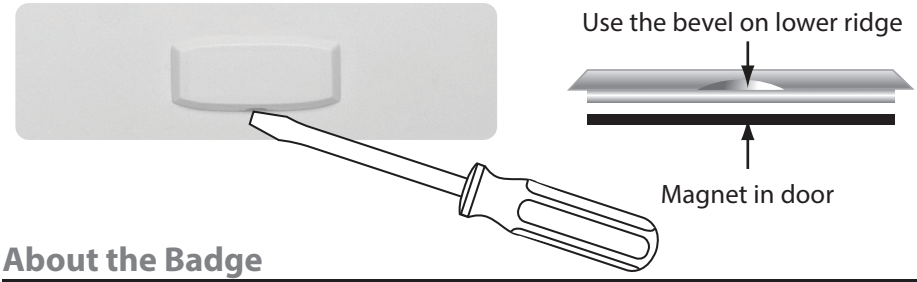


1. **LCD Display**
2. **Glow in the Dark Light Button**
3. **Set Point Buttons**
4. **Program Buttons**
5. **Menu Button**
6. **Fan Button**
7. **System Button**
8. **Button/Battery Access Door**
9. **Battery Cover**

Important

The low battery indicator is displayed when the AA battery power is low. If the user fails to replace the battery within 21 days, the screen will only show the low battery indicator but maintain all functionality. If the user fails to replace the batteries after an additional 21 days (days 22-42 since first "low battery" display) the set points will change to 55˚F(Heating) and 85˚F(Cooling). If the user adjusts these setpoints away from these it will hold for 4 hours then return to either 55˚F or 85˚F. After day 42 the batteries must be replaced immediately to avoid freezing or overheating because the thermostat will shut the unit off until the battery is changed.

Removing the private label badge



Gently slide a screwdriver into the bottom edge of the badge. Gently turn the screwdriver counter clockwise. The badge is held on by a magnet. The badge should pry off easily. Do not use force.

About the Badge

All our thermostats use the same universal magnetic badge.
Visit our website to learn more about our free private label program.

SUBBASE INSTALLATION

Caution:
Electrical Hazard

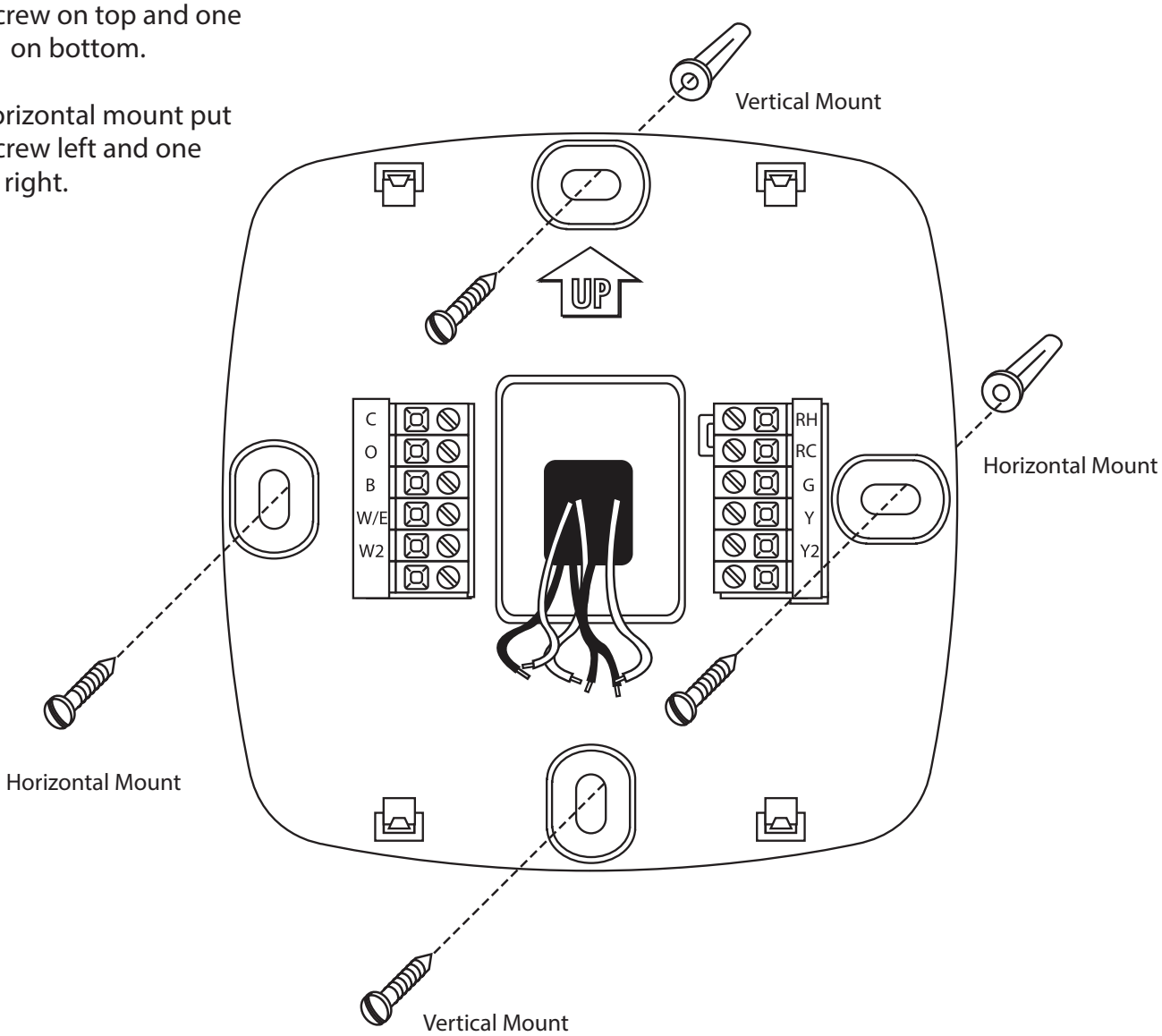
Failure to disconnect the power before beginning to install this product can cause electric shock or equipment damage.

Caution
Mercury Notice:

All of our thermostats are mercury free. However, if the product you are replacing contains mercury, dispose of it properly. Your local waste management authority can give you instructions on recycling and proper disposal.

For vertical mount put one screw on top and one screw on bottom.

For horizontal mount put one screw left and one screw right.

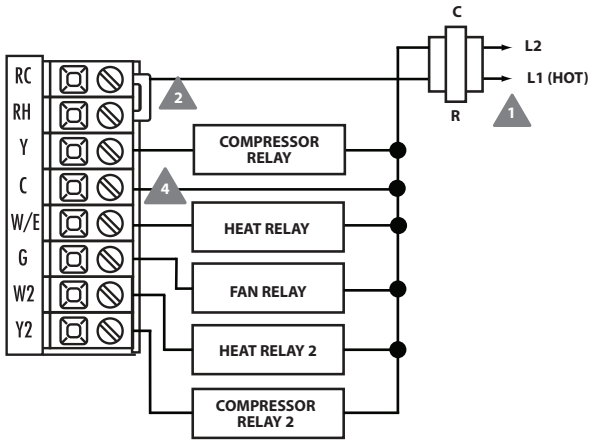


Installation Tip

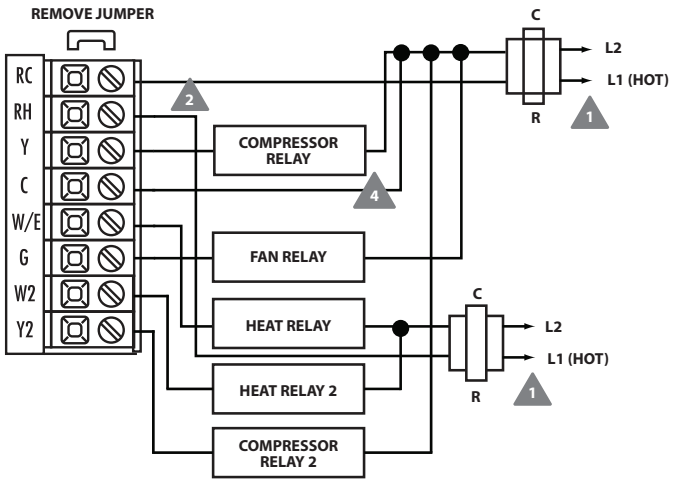
Prior to installing subbase place non-flammable insulation into wall opening to prevent drafts.

1. Power supply
2. Factory-installed jumper. Remove only when installing on 2-transformer systems .
3. Use either O or B terminals for changeover valve
4. Optional 24 VAC common connection when thermostat is hardwired with battery backup mode.

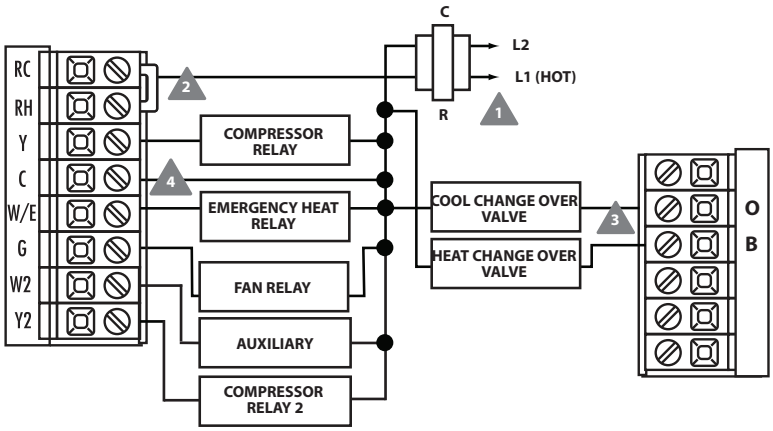
Typical 2H/2C system: 1 transformer



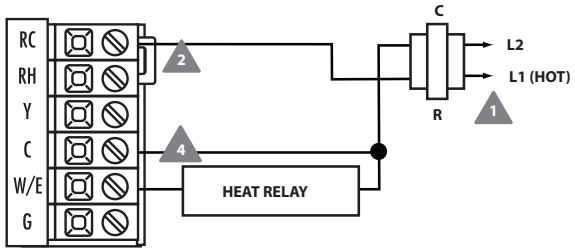
Typical 2H/2C system: 2 transformer



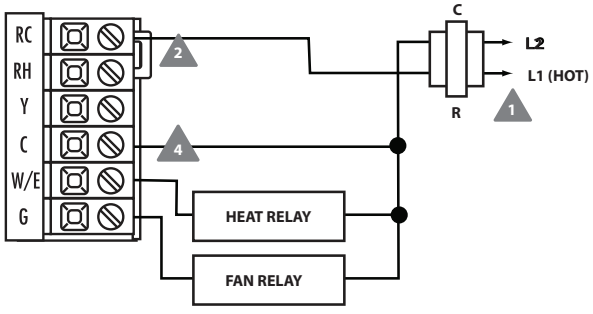
Typical 3H/2C heat pump system



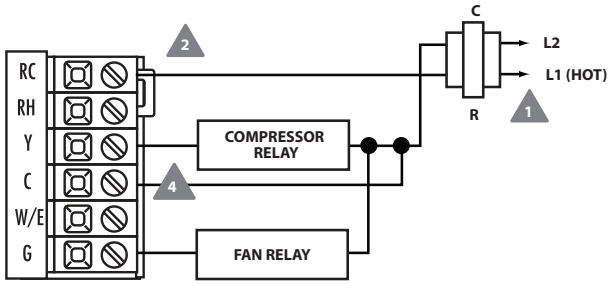
Typical heat-only system



Typical heat-only system with fan



Typical cool-only system



NOTE: In many heat pump systems with no emergency heat relay a jumper can be installed between E and W2.

Replacement Thermostat Wiring

1. If you are replacing a thermostat, make note of the terminal connections on the thermostat that is being replaced. In some cases the wiring connections will not be color-coded. For example, the green wire may not be connected to the **G** terminal.
2. Loosen the terminal block screws. Insert wires then retighten terminal block screws.
3. Place nonflammable insulation into wall opening to prevent drafts.

Warning

All components of the control system and the thermostat installation must conform to Class II circuits per the NEC Code.

Wire specifications

Use shielded or non-shielded 18-22 gauge thermostat wire.

Terminal Designations

This thermostat is shipped from the factory to operate a conventional heating and cooling system. The S-855C series may also be configured for a heat pump system. See the "heat pump" configuration step on page 10 of this manual to configure the thermostat for heat pump applications.

Terminal	2 Heat 2 Cool Conventional System	2 Heat 2 Cool Heat Pump System	3 Heat 2 Cool Heat Pump System
RC	Transformer Power (cooling)	Transformer Power (cooling)	Transformer Power (cooling)
RH	Transformer Power (heating)	Transformer Power (heating)	Transformer Power (heating)
C	Transformer common	Transformer common	Transformer common
B	Energized in heating	Heat pump changeover valve energized in heating	Heat pump changeover valve energized in heating
O	Energized in cooling	Heat pump changeover valve energized in cooling	Heat pump changeover valve energized in cooling
G	Fan relay	Fan relay	Fan relay
W/E	First stage of heat	First stage of emergency heat	First stage of emergency heat
Y	First stage of cool	First stage of heat & cool	First stage of heat & cool
Y2	Second stage of cool	Second stage of cool	Second stage of cool & second stage of heat
W2	Second stage of heat	Auxiliary heat relay, second stage of heat	Auxiliary heat relay, thirdstage of heat

Wiring Tip

C terminal

The C (common wire) terminal does not have to be connected when the thermostat is powered by batteries.

Note:

In many heat pump systems with no emergency heat relay, a jumper can be installed between E and W2 to turn thermostat into a single stage control.

MOUNT THERMOSTAT & BATTERY INSTALLATION

Mount Thermostat

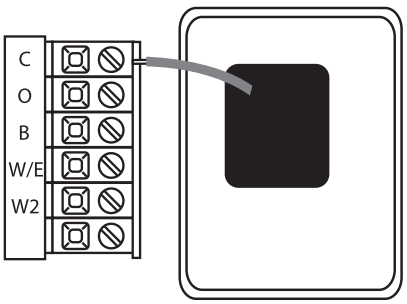
Align the 4 tabs on the subbase with corresponding slots on the back of the thermostat, then push gently until the thermostat snaps in place.

Note: To insure a solid fit between the thermostat and the subbase:

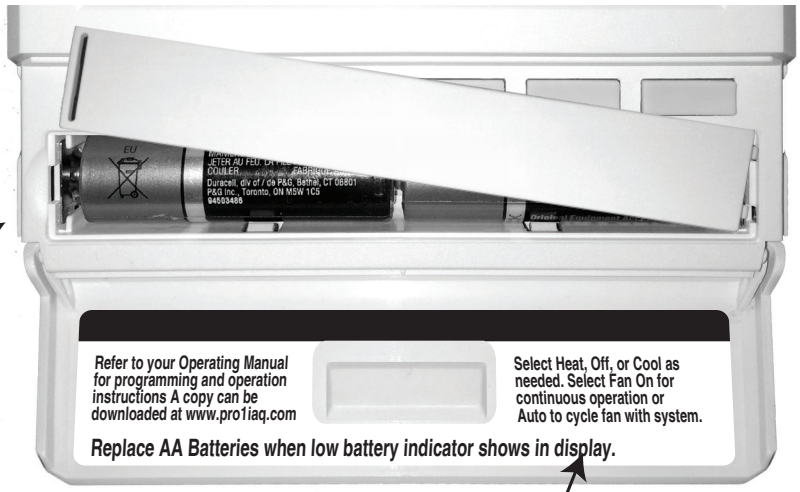
1. Mount subbase to a flat wall
2. Use screws provided
3. Drywall anchors should be flush with the wall
4. Wires should be pushed into the wall

Battery Installation

Battery installation is recommended even if thermostat is hardwired (C terminal connected). When thermostat is hardwired and batteries are installed, the thermostat will activate a compressor delay of 5 minutes when the thermostat detects a power outage from the hardwired power supply.



Important:
High quality alkaline batteries are recommended. Rechargeable batteries or low quality batteries do not guarantee a 1-year life span.



To release battery cover press finger bevel on the left side and lift the cover to access batteries.

Simple operating instructions are found on the back of the battery door.

Technician Setup Menu

This thermostat has a technician setup menu for easy installer configuration. To setup the thermostat for your particular application:

1. Press **MENU** button.
2. Press and hold **TECH SETUP** button for 3 seconds. This 3 second delay is designed so that homeowners do not accidentally access the installer settings.
3. Configure the installer options as desired, using the table below.

   Use the △ or ▽ keys to change settings and the **NEXT** or **PREV** key to move from one step to another.

   Note: Only press **DONE** key when you want to exit the Technician Setup options.
4. Press **DONE** key to exit.

Tech Setup Steps

Filter Change Reminder	Room Temperature Calibration	Minimum Compressor On Time	Compressor Short Cycle Delay	Cooling Swing	Heating Swing	Keypad Lockout
This feature will flash "FILT" in the display after the elapsed run time to remind the user to change the filter. A setting of "OFF" will disable this feature.	This feature allows the installer to change the calibration of the room temperature display. For example, if the thermostat reads 70° and you would like it to read 72° then select +2.	This feature allows the installer to select the minimum run time for the compressor. For example, a setting of 4 will force the compressor to run for at least 4 minutes every time the compressor turns on, regardless of the room temperature.	The compressor short cycle delay protects the compressor from "short cycling". This feature will not allow the compressor to be turned on for 5 minutes after it was last turned off.	The swing setting often called "cycle rate", "differential" or "anticipation" is adjustable. A smaller swing setting will cause more frequent cycles and a larger swing setting will cause fewer cycles.	The swing setting often called "cycle rate", "differential" or "anticipation" is adjustable. A smaller swing setting will cause more frequent cycles and a larger swing setting will cause fewer cycles.	Keypad lockout allows you to configure the thermostat so that none or some of the keys do not function.
LCD Will Show						
						
Adjustment Options						
You can adjust the filter change reminder from "OFF" to 2000 hours of runtime in 50 hour increments.	You can adjust the room temperature display to read -4°F to +4°F above or below the factory calibrated reading.	You can select the minimum compressor run time from "OFF", "3", "4", or "5" minutes. If 3, 4, or 5 is selected, the compressor will run for at least the selected time before turning off.	Selecting "ON" will not allow the compressor to be turned on for 5 minutes after the last time the compressor was on. Select "OFF" to remove this delay.	The cooling swing setting is adjustable form ±0.2°F to ±2°F. For example: A swing setting of 0.5°F will turn the cooling on at approximately 0.5°F above the setpoint and turn the cooling off at approximately 0.5°F below the setpoint.	The heating swing setting is adjustable from ±0.2°F to ± 2°F. For example: A swing setting of 0.5°F will turn the heating on at approximately 0.5°F below the setpoint and turn the heating off at approximately 0.5°F above the setpoint.	PA = partial keypad lockout, which locks all the keys except the △ or ▽ keys. FU = Full keypad lockout, which locks out all the keys. Note: keypad lockout instructions are below.
Factory Default Setting						
OFF	0 °F	OFF	ON	0.5 °F	0.4 °F	PA

Note: The function of activating your Keypad Lockout choice takes place after you have exited Tech Setup. If you do not perform this activation procedure, all keys will function freely. To lock the keypad hold down the △ and ▽ keys for 3 seconds.You will see a lock in the display. To unlock the keypad hold down the △ and ▽ keys for 3 seconds.

TECH SETUP STEPS CONTINUED ON THE NEXT PAGE

TECHNICIAN SETUP MENU

Tech Setup Steps (Continued from the previous page)

Heating Temperature Setpoint Limit	Cooling Temperature Setpoint Limit	°F or °C	12 or 24 Hour Clock	Fan Operation	Morning Recovery	Program Options	Time Periods
This feature allows you to set a maximum heat setpoint value. The setpoint temperature cannot be raised above this value.	This feature allows you to set a minimum cool setpoint value. The setpoint temperature cannot be lowered below this value.	This feature allows you to display temperatures in either Fahrenheit or Celsius.	You can select either a 12 or 24 hour clock setting.	Select GAS for systems that control the fan during a call for heat. Select ELEC to have the thermostat control the fan during a call for heat.	This feature will start heating early to bring the building temperature to its programmed setpoint by the beginning of the time period - (WAKE, OCCUPIED).	You can configure this thermostat to have a 7 day program, a 5+1+1 program or nonprogrammable.	You can configure this thermostat to have 2 or 4 programmable time periods per day. 4 time periods are Wake, Leave, Return & Sleep. 2C time periods are occupied and unoccupied. 4C time periods are Occupied 1, Unoccupied 1 Occupied 2, and Unoccupied 2.
LCD Will Show							
							
Adjustment Options							
Use the △ or ▽ key to select the maximum heat setpoint. Range 44°F - 90°F	Use the △ or ▽ key to select the minimum cool setpoint. Range 44°F - 90°F	°F for Fahrenheit °C for Celsius	Use the △ or ▽ key to select 12 or 24 hour clock.	GAS or ELEC	Use the △ or ▽ key to turn on or off.	Use the △ or ▽ key to select 7d for 7 day, 5d for 5+1+1, or 0d for nonprogrammable.	Use the △ or ▽ key to select 4, 2c, or 4c time periods per day.
Factory Default Setting							
90°F	44°F	°F	12 Hour Clock	GAS	ON	5d	4

TECH SETUP STEPS CONTINUED ON THE NEXT PAGE

Swing Setting Tip

The second stage will turn on at 2x the swing setting. The second stage will turn off when 1x the swing is reached. For example, if the swing setting is .5 degrees for heating and the thermostat is set at 70°F, the first stage will turn on at approximately 69.5°F. The second stage will turn on at 69.0°F. The second stage will turn off at 69.5°F and the first will turn off at 70.5°F. If third stage is used, it will turn on at 3x the swing and turn off at approximately 2x the swing.

TECHNICIAN SETUP MENU

Tech Setup Steps (Continued from the previous page)

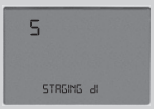
Pre Occupancy Fan	Display Light	Contractor Call Number	Beep	Heat Pump	System Set	Gas Auxiliary for Heat Pump	Stages of Heat
The pre occupancy fan settings will energize the fan before the occupied time to provide ventilation prior to scheduled occupancy. This feature only shows if technician setup step for time periods is set to 2C or 4C.	The display light can be configured to stay on all the time or come on when any key is pressed. NOTE: HARDWIRE ONLY Keeping the display light continually "ON" will greatly reduce battery life.	Allows you to put your phone number in the display. You can choose ON or OFF	When any key is pressed an audible beep will sound. You can choose ON or OFF	When turned on the thermostat will operate a heat pump. 1. EM.Heat will show as an option in the system switch. 2. Y will be first stage of heat & cool, W/E will be emergency heat relay & W2 will be auxiliary heat relay.	You can configure the system switch for the particular application: Heat - Off - Cool, Heat - Off, Cool - Off, Heat - Off - Cool-Auto Note: EM. Heat will show if in heat pump mode.	This option will turn the heat pump off 45 seconds after the auxiliary heat relay turns on. For 2 heat applications, the first stage will turn off 45 seconds after the auxiliary stage turns on. For 3 heat applications, the first and second stage will turn off 45 seconds after the auxiliary stage turns on.	You can configure the thermostat to operate a 3 stage heat pump system. 2H 2C = 2 heat, 2 cool 3H 2C = 3 heat, 2 cool This feature only shows if Technician Setup Step for HEAT PUMP is set to ON .
LCD Will Show							
							
Adjustment Options							
You can select the pre occupancy fan from OFF, 1, 2, or 3 hours. If 1, 2, or 3 is selected, the fan will turn on that many hours prior to the scheduled occupied time period.	Use the △ or ▽ key to turn on or off. OFF configures display light to come on when the light key or any key on screen is pressed. ON configures the display light to stay on.	If selected ON , you will see the input screen after pressing next step. Use the △ or ▽ key to select the desired number and the FAN or SYSTEM key to move from one character to another. See note below on operation.	If ON is selected the beep will sound. If OFF is selected, there is no sound.	OFF configures the thermostat for non heat pump systems. ON configures the thermostat for heat pump systems.	Use the △ or ▽ key until the desired application is flashing.	For heat pump systems that are "dual fuel" (use a gas furnace for auxiliary stage heat) you can turn this feature on to turn off the heat pump when the auxiliary stage of heating has been called for.	Use the △ or ▽ key to change between 2 heat and 3 heat. 2 heat will use Y1 as first stage and W2 as auxiliary. 3 heat will use Y1 as first stage, Y2 as second stage and W2 as auxiliary.
Factory Default Settings							
OFF	OFF	OFF	ON	OFF	Heat - Off - Cool	OFF	2 Stages

Note: If contractor Call Number is selected ON, your phone number will show in the display if there has been a continuous call for heating or cooling for 24 hours or if the light button is held down for 3 seconds. To remove the phone number from the display, hold the light button down for 3 seconds.

TECH SETUP STEPS CONTINUED ON THE NEXT PAGE

TECHNICIAN SETUP MENU

Tech Setup Steps (Continued from the previous page)

Cooling Fan Delay	IAQ Mode Cycle	IAQ Mode Minutes	Satisfy Setpoint	Staging Delay	Humidity Pad Reminder	UV Lamp Reminder	IAQ Cell Reminder
The cooling fan delay setting will delay the fan from coming on in cool mode and keep running after the compressor shuts off for a short time to save energy in some systems.	This feature will configure the fan to run a selected number of cycles "per hour". Note: This mode can be enabled or disabled at anytime during normal operation, by selecting IAQ mode with the fan key.	This allows you to select the minimum number of minutes that the fan will run "Per Cycle". The thermostat will keep track of fan run time from normal Heat and Cool operation. If additional fan runtime is needed, the thermostat will run the fan to satisfy the IAQ mode minutes.	This feature allows the thermostat to keep multiple stages of heat or cool energized until setpoint is satisfied.	This feature allows a delay to occur when a second and third stage is needed. This allows the previous stage extra time to satisfy setpoint.	This will remind the user to change the humidity pad.	Will remind the user to change the UV light bulb.	Will remind the user to change the PHI Cell after 25,000 hrs.
LCD Will Show							
							
Adjustment Options							
You can select the Cooling Fan Delay from OFF, 15, 30, 60 or 90 Seconds.	Select OFF, 1,2,3 or 4 with the △ or ▽ keys. This sets the number of cycles per hour that the IAQ fan mode will operate.	Select 1, 5, 10 ,15 ,20 ,30 or 45 minutes. When IAQ fan mode is enabled, it will ensure the fan runs at least the selected number of minutes per IAQ mode cycle.	Use the △ or ▽ key to turn on or off.	Use the △ or ▽ key to select YES, 5, 10, 15, 30, 45, 60, or 90 minutes.	Use the △ or ▽ key to select OFF, 600, 1000, 1500, 2000. These represent hours of heat operation.	Use the △ or ▽ key to select OFF, 1YEAR, 2YEAR.	Use the △ or ▽ key to select OFF, 250. (Stands for 25000 hours)
Factory Default Settings							
OFF	OFF	1	OFF	OFF	OFF	OFF	OFF

Reminders Note: Once a Reminder has been turned on and set, the elapsed time can be checked by navigating to it's tech setup step. The elapsed time will then appear in the text field. It can also be reset at that time by a press and hold of the third button from the left for 3 seconds. Resetting an expired Reminder can be done without entering tech setup, by a press and hold of the third button from the left for 3 seconds.

A Note about IAQ Mode:

This Programmable/Selectable mode will operate the fan 1-4 cycles per hour, 1-45 minutes per cycle. Once programmed in Tech Setup, to enable this mode select 'IAQ' with the Fan Key. Or you can disable the mode by selecting 'ON' or 'AUTO' with the Fan Key.

Set Time

Follow the steps below to set the day of the week and current time:

1. Press **MENU**
2. Press **SET TIME**
3. Day of the week will be flashing. Use the △ or ▽ key to select the current day of the week.
4. Press **NEXT**
5. The current hour is flashing. Use the △ or ▽ key to select the current hour. When using 12-hour time, make sure the correct a.m. or p.m. choice is selected.
6. Press **NEXT**
7. Minutes are now flashing. Use the △ or ▽ key to select current minutes.
8. Press **DONE** when completed

Programming

All our programmable thermostats are shipped with an energy saving pre-program. You can customize this default program by following the Set Program Schedule.

Your thermostat can be programmed to have each day of the week programmed uniquely (7 days), all the weekdays the same, a seperate program for Saturday, and a seperate program for Sunday (5+1+1), or non-programmable. There are three time period options for each program. **1.** Residential '4' (WAKE, LEAVE, RETURN, SLEEP) **2.** '2C' Commercial (OCCUPIED, UNOCCUPIED) **3.** '4C' Commercial (OCCUPIED 1, UNOCCUPIED 1, OCCUPIED 2, UNOCCUPIED 2) . This thermostat has a programmable fan feature, which allows you to run the fan continuously during any time period.

Factory Default Program

Day of the Week	Events	Time	Setpoint Temperature (Heat)	Setpoint Temperature (Cool)
Weekday	Wake / OCC 1	6 a.m.	70° F (21° C)	75° F (24° C)
	Leave / UNOCC 1	8 a.m.	62° F (17° C)	83° F (28° C)
	Return / OCC 2	6 p.m.	70° F (21° C)	75° F (24° C)
	Sleep / UNOCC 2	10 p.m.	62° F (17° C)	78° F (26° C)
Saturday	Wake / OCC 1	8 a.m.	70° F (21° C)	75° F (24° C)
	Leave / UNOCC 1	10 a.m.	62° F (17° C)	83° F (28° C)
	Return / OCC 2	6 p.m.	70° F (21° C)	75° F (24° C)
	Sleep / UNOCC 2	11 p.m.	62° F (17° C)	78° F (26° C)
Sunday	Wake / OCC 1	8 a.m.	70° F (21° C)	75° F (24° C)
	Leave / UNOCC 1	10 a.m.	62° F (17° C)	83° F (28° C)
	Return / OCC 2	6 p.m.	70° F (21° C)	75° F (24° C)
	Sleep / UNOCC 2	11 p.m.	62° F (17° C)	78° F (26° C)

Factory Default Program for 2 Time Periods				
Day of the Week	Events	Time	Setpoint Temperature (Heat)	Setpoint Temperature (Cool)
Weekday	Occupied	8 a.m.	70° F (21° C)	73° F (23° C)
	Unoccupied	6 p.m.	64° F (18° C)	80° F (27° C)
Saturday	Occupied	8 a.m.	70° F (21° C)	73° F (23° C)
	Unoccupied	6 p.m.	64° F (18° C)	80° F (27° C)
Sunday	Occupied	8 a.m.	70° F (21° C)	73° F (23° C)
	Unoccupied	6 p.m.	64° F (18° C)	80° F (27° C)

You can use the table below to plan your customized program schedule if using 5+1+1.

Programming Table				
Day of the Week	Events	Time	Setpoint Temperature (Heat)	Setpoint Temperature (Cool)
Weekday	Wake / OCC 1			
	Leave / UNOCC 1			
	Return / OCC 2			
	Sleep / UNOCC 2			
	Occupied			
	Unoccupied			
Saturday	Wake / OCC 1			
	Leave / UNOCC 1			
	Return / OCC 2			
	Sleep / UNOCC 2			
	Occupied			
	Unoccupied			
Sunday	Wake / OCC 1			
	Leave / UNOCC 1			
	Return / OCC 2			
	Sleep / UNOCC 2			
	Occupied			
	Unoccupied			

Set Program Schedule For Four Time Periods (WAKE, LEAVE, RETURN, SLEEP or OCCUPIED 1, UNOCCUPIED 1, OCCUPIED 2, UNOCCUPIED 2)

To customize your 5+1+1 program schedule, follow these steps

Weekday:

1. Select **HEAT** or **COOL** using the **SYSTEM** key.
   Note: You have to program heat and cool each separately.
2. Press **MENU**.
3. Press **SET SCHED.** Note: Monday-Friday is displayed and the **WAKE/OCC1** icon is shown. You are now programming the **WAKE/OCC1** time period for the weekday setting.
4. Time is flashing. Use the △ or ▽ key to make your time selection for the weekday **WAKE/OCC1** time period. Note: If you want the fan to run continuously during this time period, select **ON** with the **FAN** key. If you want to use IAQ mode during this time period, select **IAQ** with the fan key.
5. Press **NEXT**
6. The setpoint temperature is flashing. Use the △ or ▽ key to make your setpoint selection for the weekday **WAKE/OCC1** period.
7. Press **NEXT**
8. Repeat steps 4 through 7 for weekday **LEAVE/UNOCC1** time period, for weekday **RETURN/OCC2** time period, and for weekday **SLEEP/UNOCC2** time period.

Saturday:

9. Repeat steps 4 through 7 for Saturday **WAKE/OCC1** time period, for Saturday **LEAVE/UNOCC1** time period, for Saturday **RETURN/OCC2** time period, and for Saturday **SLEEP/UNOCC2** time period.

Sunday:

10. Repeat steps 4 through 7 for Sunday **WAKE/OCC1** time period, for Saturday **LEAVE/UNOCC1** time period, for Sunday **RETURN/OCC2** time period, and for Saturday **SLEEP/UNOCC2** time period.

To customize your 7 day program schedule, follow these steps:

Monday

1. Select **HEAT** or **COOL** using the **SYSTEM** key. You have to program heat and cool each separately.
2. Press **MENU**
3. Press **SET SCHED.**
   Note: Monday is displayed and the **WAKE/OCC1** icon is shown. You are now programming the **WAKE/OCC1** time period for the monday setting.
4. Time is flashing. Use the △ or ▽ key to make your time selection for the Monday **WAKE/OCC1** time period. Note: If you want the fan to run continuously during this time period, select **ON** with the **FAN** key. If you want to use IAQ mode during this time period, select **IAQ** with the fan key.
5. Press **NEXT**
6. The setpoint temperature is flashing. Use the △ or ▽ key to make your setpoint selection for the Monday **WAKE/OCC1** period.
7. Press **NEXT**
8. Repeat steps 4 thru 7 for Monday **LEAVE/UNOCC1** time period, for Monday **RETURN/OCC2** time period, and for Monday **SLEEP/UNOCC2** time period.

Tuesday, Wednesday, Thursday, Friday, Saturday, Sunday

Repeat steps 4 thru 7 for the remaining days of the week.

A Note About Auto Changeover:

If in Auto you have the ability to switch between Auto Heat or Auto Cool by pressing the System key. This can be done once the current mode has reached its set-point. For example: if in Auto Heat, the heat setpoint must be satisfied before the thermostat will allow you to switch to Auto Cool. You can switch out of Auto by holding down the System key. To get back into Auto, you must toggle the System key to Auto.

A Note About Programmable Fan:

The programmable fan feature will run the fan continuously during any time period it is programmed to be on. This is the best way to keep the air circulated and to eliminate hot & cold spots in your building. If using **IAQ** Mode, Set fan to **IAQ** for any time period desired.

Set Program Schedule For Two Time Periods (OCCUPIED, UNOCCUPIED)

To customize your 5+1+1 program schedule, follow these steps

Weekday:

1. Select **HEAT** or **COOL** using the **SYSTEM** key. **Note:** You have to program heat and cool each separately.
2. Press **MENU**.
3. Press **SET SCHED**. Note: Monday-Friday is displayed and the **OCCUPIED TEXT** is shown. You are now programming the **OCCUPIED** time period for the weekday setting.
4. Time is flashing. Use the △ or ▽ key to make your time selection for the weekday **OCCUPIED** time period. Note: If you want the fan to run continuously during this time period, select **ON** with the **FAN** key. If you want to use IAQ mode during this time period, select **IAQ** with the fan key.
5. Press **NEXT**
6. The setpoint temperature is flashing. Use the △ or ▽ key to make your setpoint selection for the weekday **OCCUPIED** period.
7. Press **NEXT**
8. Repeat steps 4 through 7 for weekday **UNOCCUPIED** time period.

Saturday:

9. Repeat steps 4 through 7 for Saturday **OCCUPIED** time period and for Saturday **UNOCCUPIED** time period.

Sunday:

10. Repeat steps 4 through 7 for Sunday **OCCUPIED** time period and for Sunday **UNOCCUPIED** time period.

To customize your 7 day program schedule, follow these steps:

Monday

1. Select **HEAT** or **COOL** using the **SYSTEM** key. You have to program heat and cool each separately
2. Press **MENU**.
3. Press **SET SCHED**.
   Note: Monday is displayed and the **OCCUPIED** text is shown. You are now programming the **UNOCCUPIED** time period for the Monday setting.
4. Time is flashing. Use the △ or ▽ key to make your time selection for the Monday time period. **Note:** If you want the fan to run continuously during this time period, select the **FAN** key. If you want to use IAQ mode during this time period, select **IAQ** with the fan key.
5. Press **NEXT**
6. The setpoint temperature is flashing. Use the △ or ▽ key to make your setpoint selection for the Monday **OCCUPIED** period.
7. Press **NEXT**
8. Repeat steps 4 thru 7 for Monday **UNOCCUPIED** time period.

Tuesday, Wednesday, Thursday, Friday, Saturday, Sunday

Repeat steps 4 thru 8 for the remaining days of the week.

Temporary and Permanent Hold Feature

Temporary hold: The thermostat will display **HOLD** and **RUN SCHED** on the bottom of your screen when you press the △ or ▽ key. If you do nothing, the temperature will remain at this setpoint temporarily until the next program period begins. Your program setpoint will then replace your temporary setpoint.

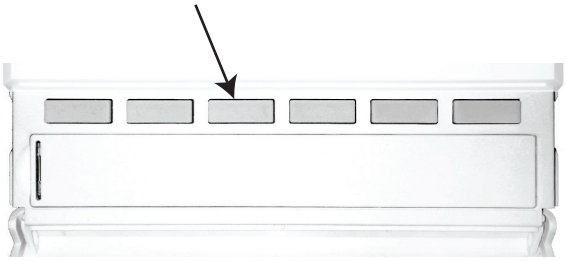
Permanent hold: If you press the **HOLD** key at the bottom of your screen, you will see **HOLD** appear below the setpoint temperature in the display. The thermostat will now permanently stay at this setpoint and can be adjusted using the △ or ▽ keys.

To return to program: Press the **RUN SCHED** key at the bottom of your screen to exit either temporary or permanent hold.

Filter Change and other Reminders

If your installing contractor has configured the thermostat to remind you when the air filter needs changed, you will see **FILT** display when your air filter needs changed. **FILT** will be shown in the display after your system has run long enough to require an air filter change.

Resetting the filter change reminder: When **FILT** reminder is displayed, you should change your air filter and reset the reminder by holding down the 3rd button from the left side of the thermostat for 3 seconds.



This thermostat also has other maintenance reminders (Humidity Pad, UV lamp, and IAQ Cell), that are reset with the same procedure.

Specifications

The display range of temperature	41°F to 95°F (5°C to 35°C)
The control range of temperature	44°F to 90°F (7°C to 32°C)
Load rating	1 amp per terminal, 1.5 amp maximum all terminals combined
Display accuracy	± 1°F
Swing (cycle rate or differential)	Heating is adjustable from 0.2°F to 2.0°F Cooling is adjustable from 0.2°F to 2.0°F
Power source	18 to 30 VAC, NEC Class II, 50/60 Hz for hardwire (common wire) Battery power from 2 AA Alkaline batteries
Operating ambient	32°F to +105°F (0° to +41°C)
Operating humidity	90% non-condensing maximum
Dimensions of thermostat	4.9 ”W x 4.5”H x 1.0”D