

PRO¹ T955

Pro1 Technologies, Inc.

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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
Heat Only Systems	Yes
Cool Only Systems	Yes
Millivolt	Yes

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Power Type

Battery Power

Hardwire (Common Wire)

Hardwire (Common Wire) with Battery Backup

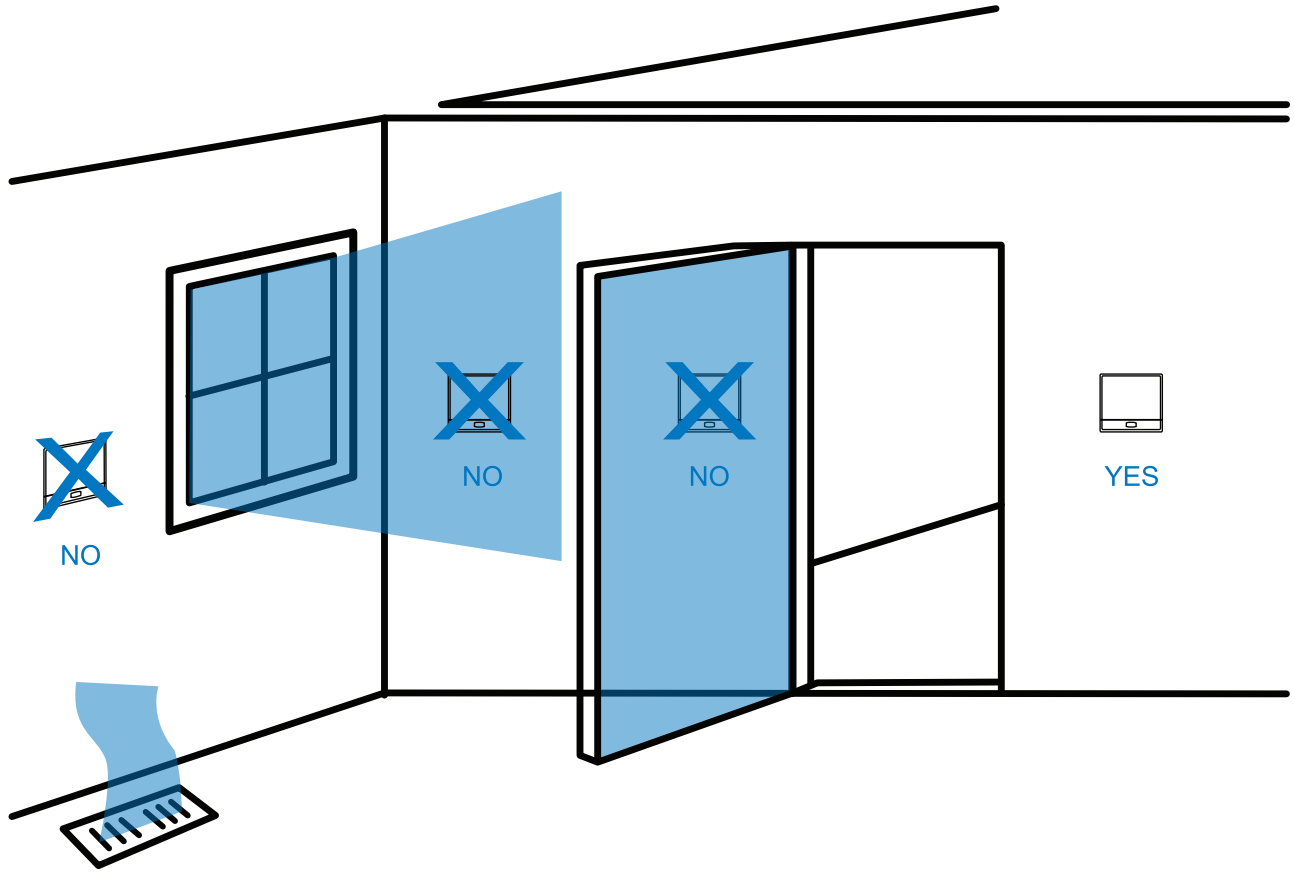
A trained, experienced technician must install this product.

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.

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
- Where appliances could radiate heat

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.

Getting to know your thermostat



- ② Light Key (Glow in the Dark)
- ③ Fan Key
- ④ System Key
- ⑤ Temperature Setpoint Keys
- ⑥ Menu Key
- ⑦ Program Icons



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 thermostat display will only show the low battery indicator as a final warning before the thermostat becomes inoperable. The batteries are located on the back of the thermostat.

① LCD

Period Icons:
This thermostat can have 2 or 4 programmable time periods per day. Icons are displayed for 4 time periods. Occupied and unoccupied will display in the text field for 2 time periods.

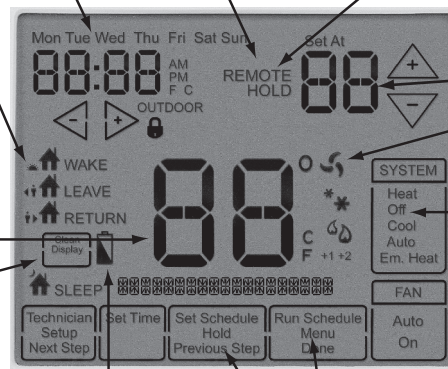
Temperature:
Indicates the current system temperature.

Clean Display:
Pressing CLEAN DISPLAY will allow 30 seconds to clean the display. The keys will be inoperable during this time. CLEAN will appear if your contractor has programmed a filter change reminder. Press CLEAN when filter has been replaced to reset the filter change reminder timer.

Days of the week and time.

REMOTE indicates a remote has control of the system.

HOLD is displayed when thermostat program is permanently overridden.



Displays the user selectable setpoint temperature.

System operation indicators:
* * * * *
COOL HEAT FAN

The COOL, HEAT or FAN icon will display when the COOL, HEAT or FAN is on.
NOTE: The compressor delay feature is active if these icons are flashing. The compressor will not turn on until the 5 minute delay has elapsed.

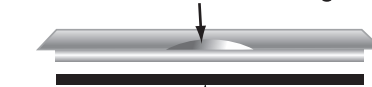
Low Battery Indicator:
Replace batteries when this indicator is shown.

Program Menu Options:
Shows different options during programming.

Removing the private label badge



Use the bevel on lower ridge



Magnet in door

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.**

Installation Tip

All our thermostats use the same universal magnetic badge. Visit our website at www.pro1iaq.com to learn more about our free private label program.



Caution:
Electrical Hazard

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

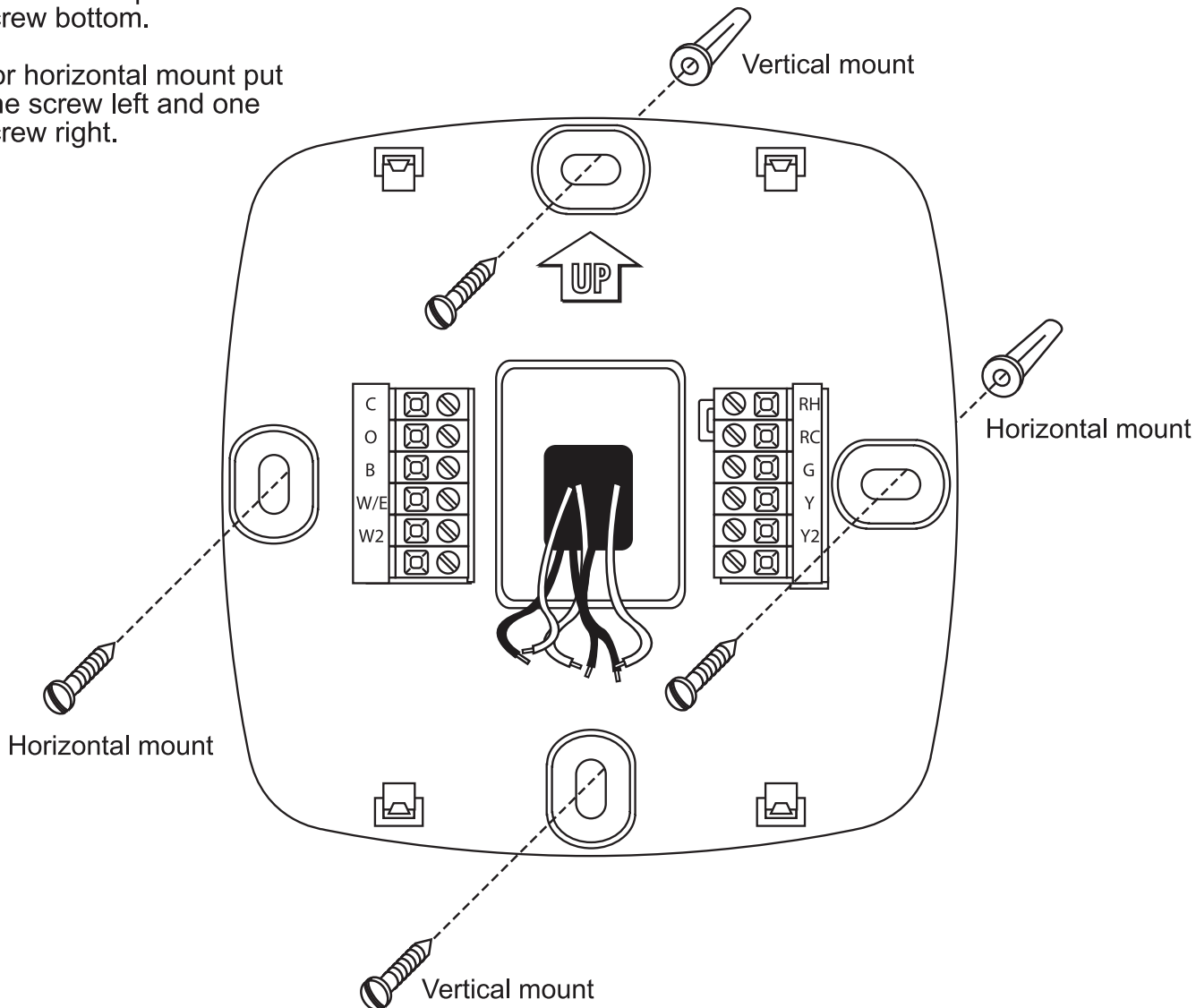


Mercury Notice:

All of our products 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 top and one screw bottom.

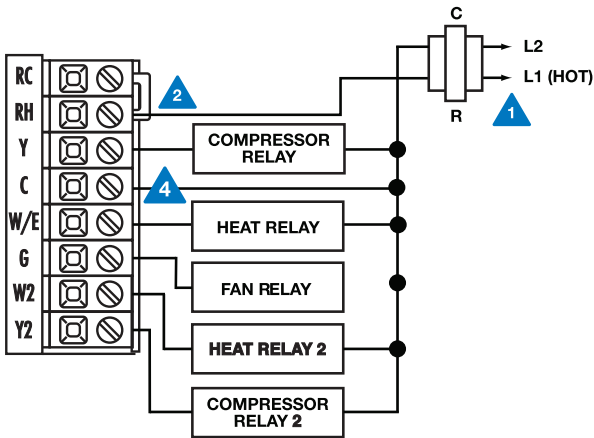
For horizontal mount put one screw left and one screw right.



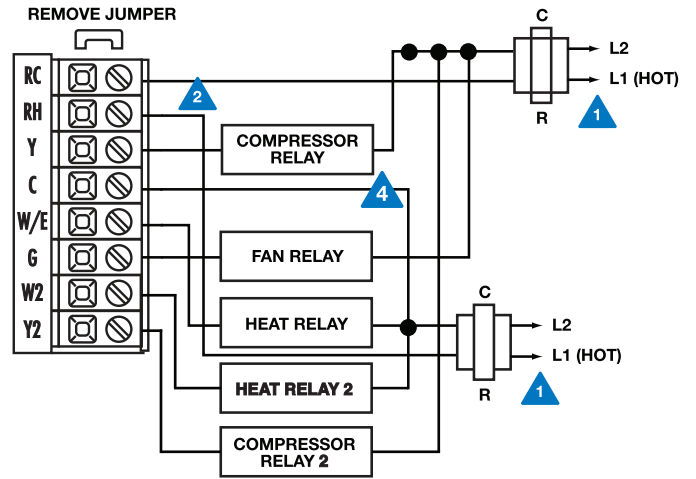
New Thermostat Installation Wiring

- ▲ 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 used in battery power mode.

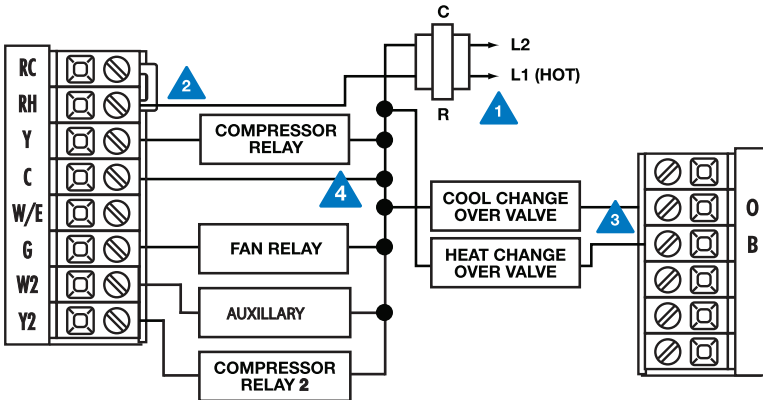
Typical 2H/2C system: 1 transformer



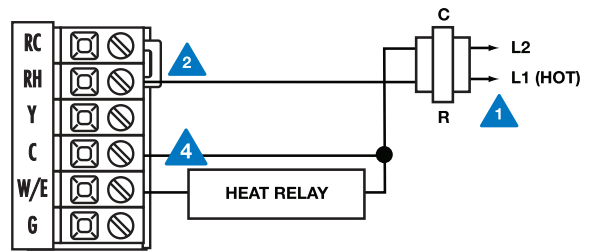
Typical 2H/2C system: 2 transformer



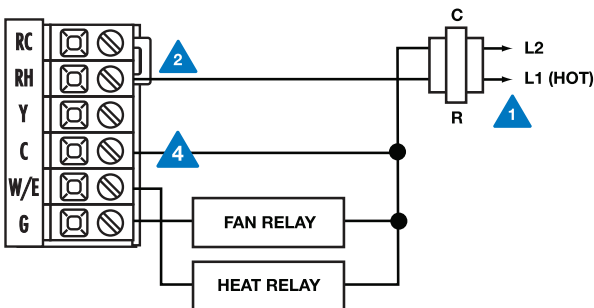
Typical 3H/2C heat pump system



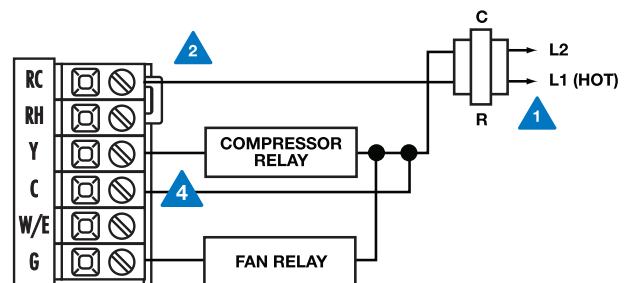
Typical heat-only system



Typical heat-only system with fan



Typical cool-only system



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

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. This thermostat will also operate a heat pump system. See the “heat pump” configuration step on page 8 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	Emergency heat relay	Emergency heat relay
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, third stage of heat

Wiring Tips:

C terminal

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

Note:

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

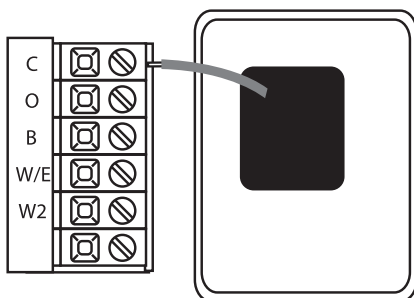
Mount Thermostat

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.



Battery Installation

Battery installation is optional if thermostat is hardwired (**C** terminal connected).



On the back of the thermostat insert 2 AA Alkaline batteries (included).

Technician Setup Menu

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

1. Press MENU button
2. Press and hold TECHNICIAN 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 STEP or PREV STEP key to move from one option to another. Note: Only press DONE key when you want to exit the Technician Setup options.








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.
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 ready -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 from ±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.	Pick PA or FU 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 Settings						
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



Tech Setup Steps (Continued from the previous page)

Heating Temperature Setpoint Limit	Cooling Temperature Setpoint Limit	°F or °C	12 or 24 Hour Clock	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.	Select F for Fahrenheit temperature read out or select C for Celsius read out	You can select either a 12 or 24 hour clock setting.	This feature turns your system on before the WAKE programming time to ensure the environment is at the WAKE setpoint when the WAKE time period begins. This recovery changes over time based on the previous day's experience.	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.	Use the ◀ or ▶ key to select the minimum cool setpoint.	°F for Fahrenheit °C for Celsius	Use the ◀ or ▶ key to select 12 or 24 hour clock.	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 Settings						
90 °F	44 °F	°F	12 Hour Clock	ON	5d	4

TECH SETUP
STEPS CONTINUED
ON THE NEXT PAGE



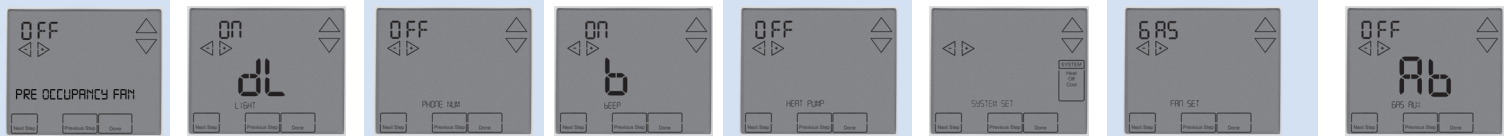
Swing Setting Tip

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.

Tech Setup Steps (Continued from the previous page)

Pre Occupancy Fan	Display Light	Contractor Call Number	Beep	Heat Pump	System Switch	Fan Operation	Gas Auxiliary for Heat Pump
<p>The pre occupancy fan settings will energize the fan before the occupied time to provide ventilation prior to scheduled occupancy.</p> <p>This feature only shows if technician setup step for time periods is set to 2C or 4C.</p>	<p>The display light can be configured to stay on all the time or come on when any key is pressed.</p> <p>NOTE: HARDWIRE ONLY Keeping the display light continually "ON" will greatly reduce battery life.</p>	<p>Allows you to put your phone number in the display.</p> <p>You can choose ON or OFF</p>	<p>When any key is pressed an audible beep will sound.</p> <p>You can choose ON or OFF</p>	<p>When turned on the thermostat will operate a heat pump.</p> <ol style="list-style-type: none"> EM.Heat will show as an option in the system switch. Y will be first stage of heat & cool, W/E will be emergency heat relay & W2 will be auxiliary heat relay. 	<p>You can configure the system switch for the particular application:</p> <p>Heat - Off - Cool, Heat - Off, Cool - Off, Heat - Off - Cool-Auto</p> <p>Note: EM. Heat will show if in heat pump mode.</p>	<p>Select GAS for systems that control the fan during a call for heat.</p> <p>Select ELEC to have the thermostat control the fan during a call for heat.</p>	<p>This option will turn the heat pump off 45 seconds after the auxiliary heat relay turns on.</p> <p>For 2 heat applications, the first stage will turn off 45 seconds after the auxiliary stage turns on.</p> <p>For 3 heat applications, the first and second stage will turn off 45 seconds after the auxiliary stage turns on.</p>

LCD Will Show



Adjustment Options

<p>You can select the pre occupancy fan from OFF, 1, 2, or 3 hours.</p> <p>If 1, 2, or 3 is selected, the fan will turn on that many hours prior to the scheduled occupied time period.</p>	<p>OFF configures display light to come on when the light key or any key on screen is pressed.</p> <p>ON configures the display light to stay on. Use the or key to turn on or off.</p>	<p>If selected ON, you will see the input screen after pressing next step.</p> <p>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.</p>	<p>If ON is selected the beep will sound.</p> <p>If OFF is selected, there is no sound.</p>	<p>OFF configures the thermostat for non heat pump systems.</p> <p>ON configures the thermostat for heat pump systems.</p>	<p>Use the or key until the desired application is flashing.</p>	<p>GAS or ELEC</p>	<p>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.</p>
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Factory Default Settings

OFF	OFF	OFF	ON	OFF	Heat - Off - Cool	GAS	OFF
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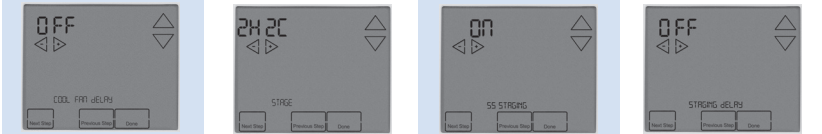
TECH SETUP
STEPS CONTINUED
ON THE NEXT PAGE



Tech Setup Steps (Continued from the previous page)

Cooling Fan Delay	Stages of Heat	Satisfy Setpoint	Staging Delay
<p>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.</p>	<p>You can configure the thermostat to operate a 3 stage heat pump system.</p> <p>2H 2C = 2 heat, 2 cool 3H 2C = 3 heat, 2 cool</p> <p>This feature only shows if Technician Setup Step for HEAT PUMP is set to ON.</p>	<p>This feature allows the thermostat to keep multiple stages of heat or cool energized until setpoint is satisfied.</p>	<p>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.</p>

LCD Will Show



Adjustment Options







<p>You can select the Cooling Fan Delay from OFF, 15, 30, 60 or 90 seconds.</p> <p>If 15, 30, 60, or 90 is selected the fan will not turn on for that many seconds when there is a call for cool and will run for that many seconds after satisfying a call for cool.</p>	<p>Use the \triangleleft or \triangleright key to change between 2 heat and 3 heat.</p> <p>2 heat will use Y1 as first stage and W2 as auxiliary.</p> <p>3 heat will use Y1 as first stage, Y2 as second stage and W2 as auxiliary.</p>	<p>Use the \oplus or \ominus key to turn on or off.</p>	<p>Use the \oplus or \ominus key to select OFF, 5, 10, 15, 30, 45, 60, or 90 minutes.</p>
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Factory Default Settings

OFF	2 Stages	OFF	OFF
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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 STEP
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 STEP
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 separate program for Saturday, and a separate 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.
5. Press **NEXT STEP**.
6. The setpoint temperature is flashing. Use the or key to make your setpoint selection for the weekday **WAKE/OCC1** period.
7. Press **NEXT STEP**.
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.
5. Press **NEXT STEP**.
6. The setpoint temperature is flashing. Use the or key to make your setpoint selection for the Monday **WAKE/OCC1** period.
7. Press **NEXT STEP**.
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.

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.
5. Press **NEXT STEP**.
6. The setpoint temperature is flashing. Use the or key to make your setpoint selection for the weekday **OCCUPIED** period.
7. Press **NEXT STEP**.
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.
5. Press **NEXT STEP**.
6. The setpoint temperature is flashing. Use the or key to make your setpoint selection for the Monday **OCCUPIED** period.
7. Press **NEXT STEP**.
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.

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	4.7"W x 4.4"H x 1.1"D