PRO1®

Pro1 Technologies
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Springfield, MO 65804
Toll Free: 888-776-1427
Web: www.pro1iaq.com
Hours of Operation: M-F 9AM - 6PM Eastern

T955

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.

Thermostat Application 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

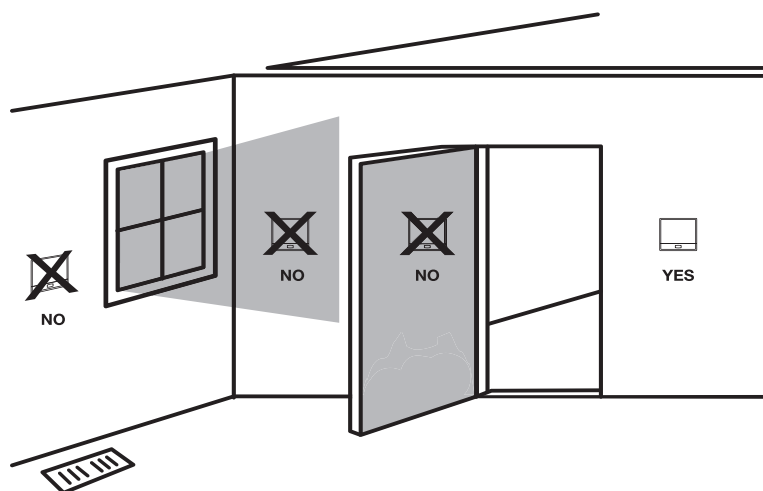**A trained, experienced technician must install this product.**

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

Una version en español de este manual se puede descargar en la pagina web de la compañia.

Table of Contents

Do not install thermostat in these 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.
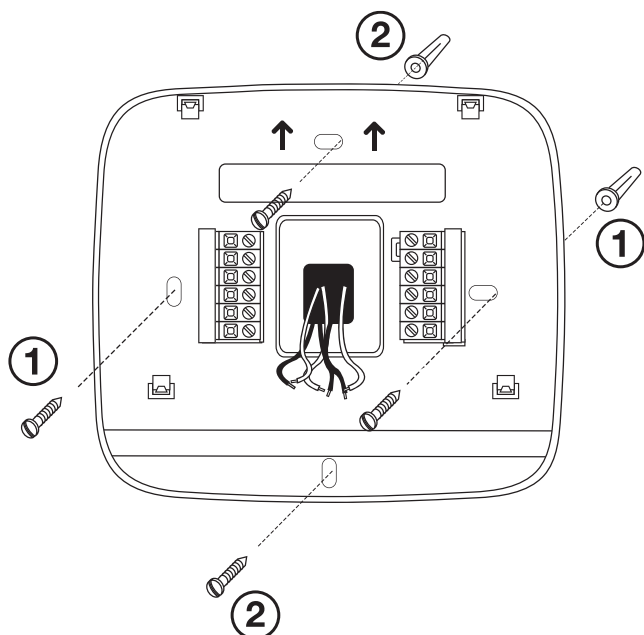
Rev. 1727

Subbase Installation

① Horizontal Mount — For horizontal mount put one screw on the left and one screw on the right.

② Vertical Mount — For vertical mount put one screw on the top and one screw on the bottom.

💡 **Installation Tip: 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.
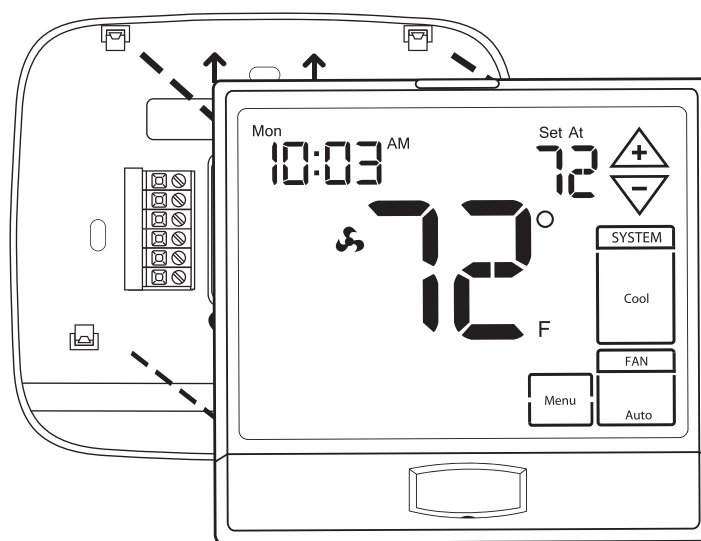
Mount Thermostat

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 ensure 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
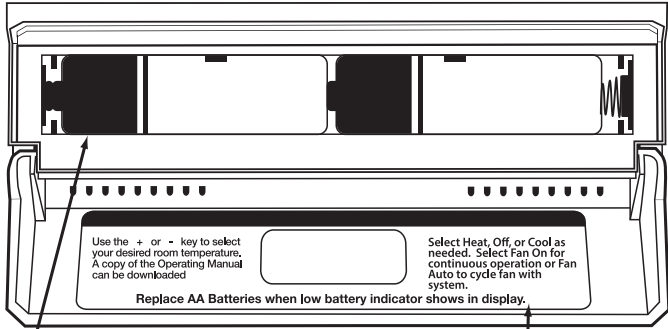4. Wires should be pushed into the wall

Battery Installation

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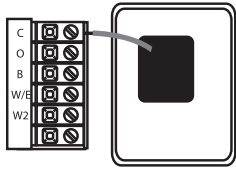
Important:

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

Use the + or − key to select your desired room temperature. A copy of the Operating Manual can be downloaded

Select Heat, Off, or Cool as needed. Select Fan On for continuous operation or Fan Auto to cycle fan with system.

Replace AA Batteries when low battery indicator shows in display.

Insert 2 AA Alkaline batteries (included). High quality alkaline batteries are recommended.

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

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Getting to know your thermostat
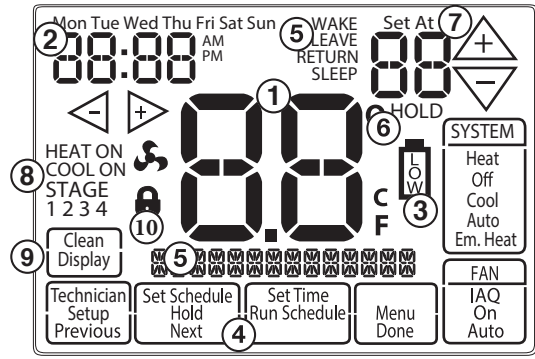
① **Indicates the current room temperature**

② **Time and day of the week**

③ **Low Battery Indicator:** Replace batteries when this indicator is shown.

④ **Program Menu Options:** Show different options during programming.

⑤ **Time Periods -** Shows the 4 time Periods for Residential. 2 or 4 Commercial time periods Occupied/Unoccupied are shown in this text field.

⑥ **HOLD** is displayed when thermostat program is permanently overriden.

⑦ **Setpoint:** Displays the user selectable setpoint temperature

⑧ **System Operation Indicators:** HEAT ON, COOL ON and stages are shown when these systems are running. 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.

⑨ **Clean Display:** Will disable screen for 30 seconds to allow cleaning. A press and hold of clean also will reset filter change and other reminders.

⑩ **Keypad Lockout Icon**

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 setpoints will change to 55°F (Heating) and 85°F (Cooling). If the user adjusts the setpoint away from either of these, it will hold for 4 hours then return to either 55°F or 85°F. After day 63 the batteries must be replaced immediately to avoid freezing or overheating because the thermostat will shut the unit off until the batteries are changed.

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Caution: Electrical Hazard

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

Warning:

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

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 the terminal block screws.

3. Place nonflammable insulation into the wall opening to prevent drafts.

Installation Tip

Do not overtighten terminal block screws, as this can damage the terminal block. A damaged terminal block can keep the thermostat from fitting on the subbase correctly or cause system operation issues.

Max Torque = 6in-lbs.

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 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 for Emergency Heat Operation.

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 may also be configured for a heat pump system. See the "heat pump" configuration step on page 17 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, third stage of heat

Thermostat Quick Reference

Getting to know your thermostat

Mon 10:03 AM   Set At 72

72 °F

SYSTEM
Cool
FAN
Auto
Menu
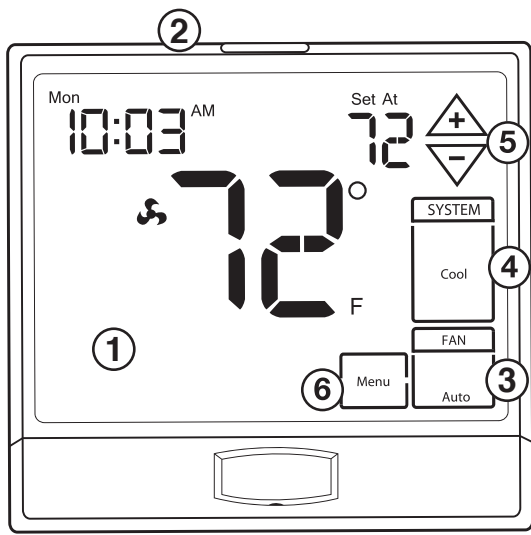
① LCD Display

② Glow in the dark light button

③ Fan Key

④ System Key

⑤ Setpoint buttons

⑥ Menu button

Private Label Badge

About The Badge

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


Use the bevel on lower ridge
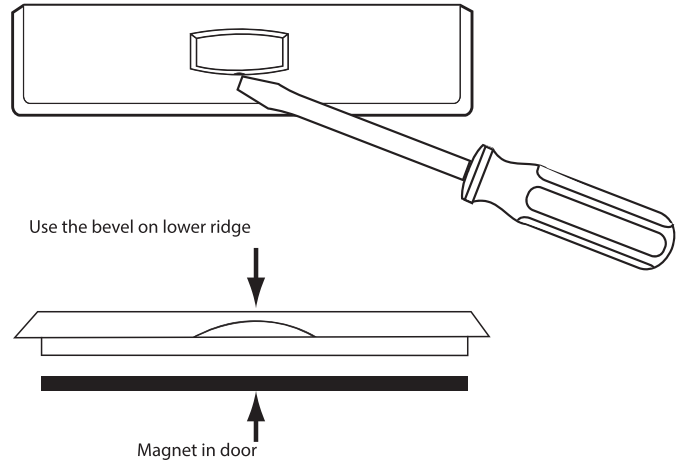
Magnet in door

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 in the well of the battery door. The badge should pry off easily. **DO NOT USE FORCE.**
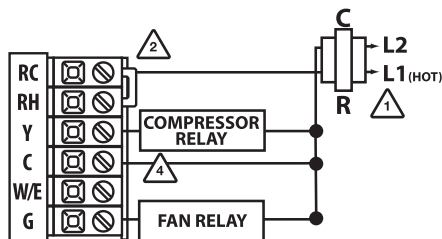
Wiring Diagrams

⚠1 **Power supply**

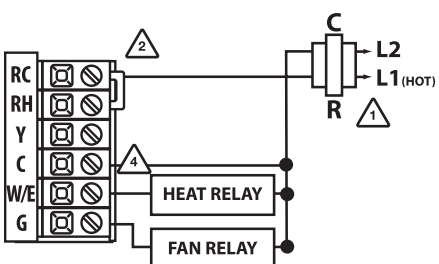⚠2 **Factory-installed jumper. Remove only when installing on 2-transformer systems**

Typical 2H/2C System: 1 Transformer
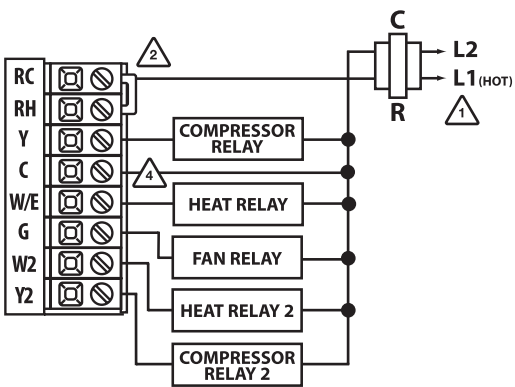
Typical Cool-Only System

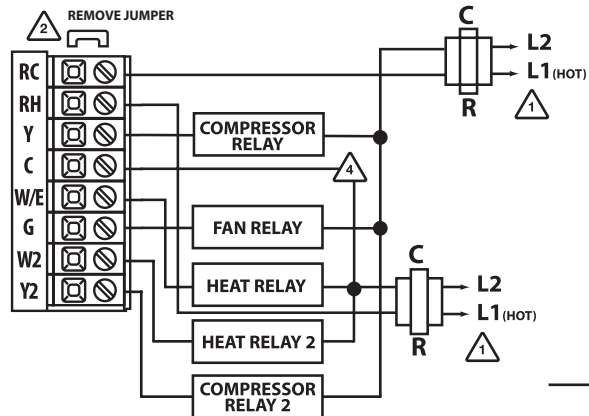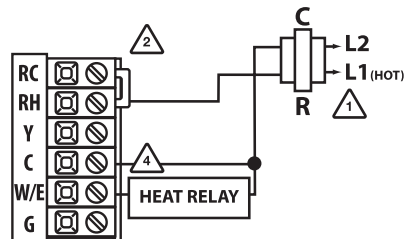**Typical Heat Only System With Fan**

Wiring Diagrams

⚠3 **Use either O or B terminals for changeover valve**

⚠4 **Optional 24 VAC common connection when thermostat is used in battery power mode**
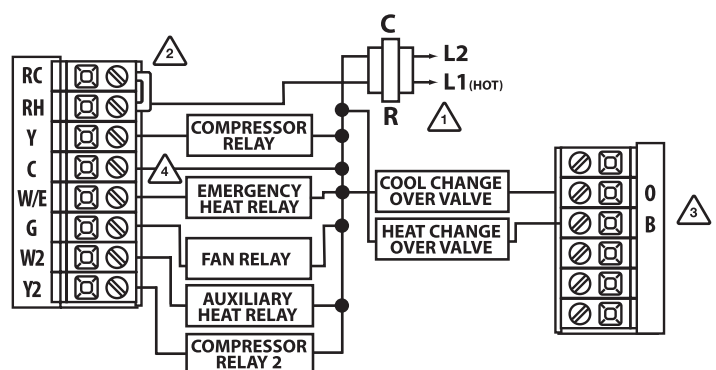
Typical 2H/2C System: 2 Transformer

**Typical Heat-Only System**

Typical 3H/2C or 2H/1C Heat Pump System

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 the **Menu** button.
2. Press and hold the **TECHNICIAN SETUP** button for 3 seconds. This 3 second delay is designed so that homeowners do not acci dentally access the installer settings.
3. Configure the installer options as desired using the table below. Use the `<-|` or `|+>` keys to change settings and the **Previous** or **Next** key to move from one step to another. **Note:** Only press the **DONE** key when you want to exit the Technician Setup options.
4. Press the **DONE** key to exit.

Tech Setup Steps	LCD Will Show	Adjustment Options	Default
Filter Change Reminder	OFF — FILTER 0000	This feature will flash a reminder after the elapsed run time to remind the user to change the filter. A setting of "OFF" will disable this feature. / You can adjust the filter change reminder from "OFF" to 2000 hours of runtime in 50 hour increments.	OFF
Room Temperature Calibration	0 — CAL I6RATE	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. / You can adjust the room temperature display to read up to 4° above or below the factory calibrated reading.	0°F
Minimum Compressor On Time	OFF ON — AN — MIN COMP	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. / You can set the minimum compressor run time to "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.	OFF

Keypad Lockout Note: The selected keypad lockout functionality must be activated after exiting tech setup. If you do not perform this 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 display hold down the ⊞ and ▽ keys for 3 seconds.


Technician Setup Menu

| Tech Setup Steps	LCD Will Show	Adjustment Options	Default
Compressor Short Cycle Delay	ON OF — CO — COMP DELAY	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. / Selecting "ON" will not allow the compressor to be turned on for 5 minutes after the last time the compressor was on. Select "OF" to remove this delay.	ON
Cooling Swing	0.5 dF — CO — COOL SWING	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 cooling swing setting is adjustable from 0.2° to 2°. For example: A swing setting of 0.5° will turn the cooling on at approximately 0.5° above the setpoint and turn the cooling off at approximately 0.5° below the setpoint.	0.5°
Heating Swing	0.4 dF — HE — HEAT SWING	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 heating swing setting is adjustable from 0.2° to 2°. For example: A swing setting of 0.5° will turn the heating on at approximately 0.5° below the setpoint and turn the heating off at 0.5° above the setpoint.	0.4°
Keypad Lockout	PA — KEY LOCK	Keypad lockout allows you to configure the thermostat so that some or all of the keys don't function. / PA= partial keypad lockout, which locks all the keys except the ⊞ or ▽ keys. FU= full keypad lockout, which locks out all the keys. See Keypad Lockout Note	OFF

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°F. The second stage will turn off at 69.5°F and the first will turn off at 70.5°F. If the third stage is used, it will turn on at 68.5°F and turn off at approximately 69°F.

Technician Setup Menu

| Tech Setup Steps	LCD Will Show	Adjustment Options	Default
Heat Pump	OFF — HEAT PUMP	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. / OFF configures the thermostat for non heat pump systems. ON configures the thermostat for heat pump systems.	OFF
System Set	SYSTEM SET	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. / Use the ◁ or ▷ key until the desired application is flashing. AUTO= Autochangeover	HEAT OFF COOL
Dual Fuel Auxiliary for Heat Pump *Will only appear if Heat Pump setting is turned ON*	ON — A6 — GAS AUX	For Dual Fuel applications (Gas/Fossil fuel Auxiliary Heat), turn this setting ON to LOCKOUT the Heat Pump (Y) when Auxiliary Heat (W2) is on. If desired - This can also be used with Electric Auxiliary. / OFF will allow Y(1st stage of Heat) and W2 (Aux Heat) to run together if called for. ON Will de-energize Y terminal 45 seconds after a call for Auxiliary Heat (W2).	OFF
Stages of Heat	2H2C — STAGE	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 is shown only if the HEAT PUMP technician setup step is ON. / Use the ◁ or ▷ key to change between 2 or 3 stages of heat. 2 heat will use Y1 as first stage and W2 as auxiliary. 3 heat will use Y1 as the first stage, Y2 as the second stage and W2 as the auxiliary.	2 STAGES
Cooling Fan Delay	COOL FAN DL	The cooling fan delay setting will delay the fan from coming on in cool mode and keep it running after the compressor shuts off for a short time to save energy in some systems. / You can set the cooling fan delay to OFF, 15, 30, 60 or 90 seconds. 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.	OFF
IAQ Mode Cycle	OFF — IAQ MODE CYCLE	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. / 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.	OFF

Technician Setup Menu

Tech Setup Steps	LCD Will Show	Adjustment Options	Default
IAQ Mode Minutes	1 — IAQ MODE MINUT	This allows you to select the minimum number of minutes that the fan will run per IAQ mode cycle. The thermostat will keep track of fan runtime from normal heat and cool operation. If additional fan runtime is needed, the thermostat will run the fan to satisfy the IAQ mode minutes. / 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. This step will not appear if previous step is set to "OFF".	1
Satisfy Setpoint	ON — SS STAGING	This feature allows the thermostat to keep multiple stages of heat or cool energized until the setpoint is satisfied. / Use the ◁ or ▷ key to turn on or off.	OFF
Staging Delay	5 — STAGING dl	This feature allows a delay to occur if an additional stage is needed. This allows the previous stage extra time to satisfy the setpoint. / Use the ◁ or ▷ key to select OFF, 5, 10, 15, 30, 45, 60, or 90 minutes.	OFF
Humidity Pad Reminder	OFF — HUM PAD 2000	Enables a reminder for the user to change the humidity pad. / Use the ◁ or ▷ key to select OFF, 600, 1000, 1500, or 2000. These represent hours of heat operation.	OFF
UV Lamp Reminder	OFF — UVLAMP 00000	Enables a reminder for the user to change the UV light bulb. / Use the ◁ or ▷ key to select OFF, 1YEAR, 2YEAR.	OFF
IAQ Cell Reminder	250 — IAQ CELL 25000	Enables a reminder for the user to change the PHI Cell after 25,000 hrs. / Use the ◁ or ▷ key to select OFF, or 250 (stands for 25,000 hours).	OFF

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. Disable this mode by selecting "ON" or "AUTO" with the fan key.

Reminders
Once a reminder has been turned on and set, the elapsed time can be checked by navigating to its tech setup step. The elapsed time will then appear in the text field. It can also be reset at that time by holding down the *Clean key* button for 3 seconds. Resetting an expired reminder can be done without entering tech setup, by holding down the *Clean key* button for 3 seconds from the home screen.

Technician Setup Menu

Tech Setup Steps		LCD Will Show	Adjustment Options	Default
Heating Temperature Setpoint Limit	This feature allows you to set a maximum heating setpoint limit. The setpoint temperature cannot be raised above this value.	90 HE	Use the ◁ or ▷ key to select the maximum heat setpoint.	90°F
Cooling Temperature Setpoint Limit	This feature allows you to set a minimum cooling setpoint limit. The setpoint temperature cannot be lowered below this value.	44 CO	Use the ◁ or ▷ key to select the minimum cool setpoint.	44°F
°F or °C	This feature allows you to display temperatures in either Fahrenheit or Celsius.	oF 74°F	°F for Fahrenheit °C for Celsius	°F
12 or 24 Hour Clock	You can select either a 12 or 24 hour clock setting.	12H CLOCK SET	Use the ◁ or ▷ key to select 12 or 24 hour clock.	12 HOUR CLOCK
Fan Operation	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.	GAS FAN SET	GAS or ELEC	GAS
Morning Recovery	This feature will start heating early to bring the building temperature to its programmed setpoint by the beginning of the WAKE, OCCUPIED time period.	On MORN RECOV	Use the ◁ or ▷ key to turn on or off.	ON
Program Options	You can configure this thermostat to have a 7 day program, a 5+1+1 program or as nonprogrammable.	5d PROGRAM	Use the ◁ or ▷ key to select 7d for 7 day, 5d for 5+1+1, or 0d for nonprogrammable.	5d
Time Periods	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 & Unoccupied. 4C time periods are Occupied 1, Unoccupied 1, Occupied 2, & Unoccupied 2.	4 TIME PERIOD	Use the ◁ or ▷ key to select 4, 2c, or 4c time periods per day.	4

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Technician Setup Menu

Tech Setup Steps		LCD Will Show	Adjustment Options	Default
Pre-Occupancy Fan	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 the technician setup step for time periods is set to 2C or 4C.	OFF PRE OCCUPY FAN	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.	OFF
Always ON Light	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.	AUTO dL ANY KEY ON	Use the ◁ or ▷ key to to turn on or off. OFF configures the display light to come on when the light key or any button is pressed. ON configures the display light to stay on.	AUTO
Contractor Call Number	Allows you to put your phone number in the display. You can choose ON or OFF.	OFF PHONE NUM	If selected ON, you will see the input screen after pressing **NEXT STEP**. Use the △ or ▽ key to select the desired number and the ◁ or ▷ key to move from one character to another. See note below for operation.	OFF
Beep	When any key is pressed an audible beep will sound. You can choose ON or OFF.	On b	If ON is selected the beep will sound. If OFF is selected there is no sound.	ON

Contractor Call Number Note
If contractor call number is selected ON, the phone number entered 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.

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Programming

Set Time (If using programming)

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

1. Press the **Menu** button.

2. Press **Set Time.**

3. Day of the week is 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 default program. You can customize this default program by following the instructions in the **set program schedule section** starting on page 24.

Your thermostat can be programmed to have each day of the week programmed uniquely (7 days), all the weekdays the same with a separate program for Saturday and a separate program for Sunday (5+1+1), or non-programmable. For the 7-day and 5+1+1 programming modes, there are three time period options.

1. "4" Residential **(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 continually during any time period.

Programming

Default Programming

Factory Default Program				
Day of the Week	Events	Time	Setpoint Temperature (HEAT)	Setpoint Temperature (COOL)
Weekday	Wake/OCC1	6 AM	70°F (21°C)	75°F (24°C)
	Leave/UNOCC1	8 AM	62°F (17°C)	83°F (28°C)
	Return/OCC2	6 PM	70°F (21°C)	75°F (24°C)
	Sleep/UNOCC2	10 PM	62°F (17°C)	78°F (26°C)
Saturday	Wake/OCC1	6 AM	70°F (21°C)	75°F (24°C)
	Leave/UNOCC1	8 AM	62°F (17°C)	83°F (28°C)
	Return/OCC2	6 PM	70°F (21°C)	75°F (24°C)
	Sleep/UNOCC2	10 PM	62°F (17°C)	78°F (26°C)
Sunday	Wake/OCC1	6 AM	70°F (21°C)	75°F (24°C)
	LeaveUNOCC1	8 AM	62°F (17°C)	83°F (28°C)
	Return/OCC2	6 PM	70°F (21°C)	75°F (24°C)
	Sleep/UNOCC2	10 PM	62°F (17°C)	78°F (26°C)

Default Programming

Factory Default Program for 2 Time Periods				
Day of the Week	Events	Time	Setpoint Temperature (HEAT)	Setpoint Temperature (COOL)
Weekday	OCCUPIED	8 AM	70˚F (21˚C)	72˚F (22˚C)
Weekday	UNOCCUPIED	6 PM	64˚F (18˚C)	80˚F (27˚C)
Saturday	OCCUPIED	8 AM	70˚F (21˚C)	72˚F (22˚C)
Saturday	UNOCCUPIED	6 PM	64˚F (18˚C)	80˚F (27˚C)
Sunday	OCCUPIED	8 AM	70˚F (21˚C)	72˚F (22˚C)
Sunday	UNOCCUPIED	6 PM	64˚F (18˚C)	80˚F (27˚C)

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

Custom Program				
Day of the Week	Events	Time	Setpoint Temperature (HEAT)	Setpoint Temperature (COOL)
Weekday	Wake/OCC1			
Weekday	Leave/UNOCC1			
Weekday	Return/OCC2			
Weekday	Sleep/UNOCC2			
Weekday	Occupied			
Weekday	Unoccupied			
Saturday	Wake/OCC1			
Saturday	Leave/UNOCC1			
Saturday	Return/OCC2			
Saturday	Sleep/UNOCC2			
Saturday	Occupied			
Saturday	Unoccupied			
Sunday	Wake/OCC1			
Sunday	LeaveUNOCC1			
Sunday	Return/OCC2			
Sunday	Sleep/UNOCC2			
Sunday	Occupied			
Sunday	Unoccupied			

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** with the **SYSTEM** key.
   Note: You have to program heat and cool each separately.

2. Press the **Menu** button (If menu does not appear first, press **Run Schedule**).

3. Press **Set Schedule**. **Note:** Monday-Friday is displayed and the **OCCUPIED** text is shown. You are now programming the **OCCUPIED** time period for the weekday setting.

4. 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. Then use the △+ or ▽- key to make your setpoint selection for the weekday **OCCUPIED** period.

6. Press **Next**.

7. Repeat steps 4 through 7 for the weekday **UNOCCUPIED** time period.

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

Sunday:
Repeat steps 4 through 7 for the Sunday **OCCUPIED** time period, and for the Sunday **UNOCCUPIED** time period.

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

Monday:

1. Select **HEAT** or **COOL** with the **SYSTEM** key.
   Note: You have to program heat and cool each seperately.

2. Press the **Menu** button (If menu does not appear first press **Run Schedule**).

3. Press **Set Schedule**. **Note:** Monday is displayed and the **OCCUPIED** text is shown. You are now programming the **OCCUPIED** time period for that day.

4. Time is flashing. Use the ◁- or ▷+ key to make your time selection for that day's **OCCUPIED** time period.
   Note: If you want the fan to run continuously during this time period, select **On** with the **FAN** key.

5. Then use the △+ or ▽- key to make your setpoint selection for that day's **OCCUPIED** period.

6. Press **Next**.

7. Repeat steps 4 through 7 for that day's **UNOCCUPIED** time period.

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

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 and cold spots in your building.

Set Program Schedule For Four Time Periods

(WAKE, LEAVE, RETURN, SLEEP or OCCUPIED 1, UNOCCUPIED1, OCCUPIED 2, UNOCCUPIED 2)

To customize your 5+1+1 Program schedule, follow these steps:

Weekday:

1. Select **HEAT** or **COOL** with the system key.
   Note: You have to program heat and cool each separately.

2. Press the **Menu** button (If menu does not appear first press **Run Schedule**).

3. Press **Set Schedule**. **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. 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. Then use the △+ or ▽ key to make your setpoint selection for the weekday **WAKE/OCC1** period.

6. Press **Next**.

7. Repeat steps 4 through 6 for the weekday **LEAVE/UNOCC1** time period, **RETURN/OCC2** time period, and for the weekday **SLEEP/UNOCC2** time period.

Saturday:

Repeat steps 4 through 6 for the Saturday **WAKE/OCC1** time period, **LEAVE/UNOCC1** time period, **RETURN/OCC2** time period, and for the Saturday **SLEEP/UNOCC2** time period.

Sunday:

Repeat steps 4 through 6 for the Sunday **WAKEOCC1** time period, **LEAVE/UNOCC1** time period, **RETURN/OCC2** time period, and for the Sunday **SLEEP/UNOCC2** time period.

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

Monday:

1. Select **HEAT** or **COOL** with the **SYSTEM** key.
   Note: You have to program heat and cool each separately.

2. Press the **Menu** button (If menu does not appear first, press **Run Schedule**).

3. Press **Set Schedule**. **Note:** Monday is displayed and the **WAKE/OCC1** icon is shown. You are now programming the **WAKE/OCC1** time period for that day.

4. Use the ⊲– or +⊳ key to make your time selection for that day's **WAKE/OCC1** time period.
   Note: If you want the fan to run continuously during this time period, select **On** with the **FAN** key.

5. Then use the △+ or ▽ key to make your setpoint selection for that day's **WAKE/OCC1** period.

6. Press **Next**.

7. Repeat steps 4 through 7 for that day's **LEAVE/UNOCC1** time period, forthat day's **RETURN/OCC2** time period, and for that day's **SLEEP/UNOCC2** time period.

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

A Note About Auto Changeover:
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 setpoint. 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.

Features

Temporary & Permanent Hold Feature

Temporary Hold: The thermostat will display **HOLD** and **Run Schedule** on the bottom of the screen when you press the △+ or ▽ key. If you do nothing, the temperature will remain at this setpoint temporarily for 4 hours. The program setpoint will then replace the temporary setpoint.

Permanent Hold: With a temporary hold set, If you press the **Hold** key at the bottom of your screen, you will see **Hold** appear next to 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 Schedule** key at the bottom of the screen to exit temporary and permanent holds.

Features

Filter Change & Other Reminders

If your installing contractor has configured the thermostat to remind you when the air filter needs changed, you will see a reminder in the display when your air filter needs changed. the reminder 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 the reminder is displayed, you should change your air filter and reset the reminder by holding down the "**Clean**" key on 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
Swing (cycle rate or differential) ...... Heating is adjustable from 0.2˚ to 2.0˚
             Cooling is adjustable from 0.2˚ to 2.0˚
Power source ....18 to 30 VAC, NEC Class II, 50/60 Hz
             for hardwire
             Battery power from 2 AA Alkaline
             batteries
Operating ambient .... 32˚F to +105˚F (0˚C to +41˚C)
Operating humidity .... 90% non-condensing maximum
Dimensions of thermostat .... 4.7"W x 4.3"H x 1.1"D