

TC- PBO01 - BLK
Carrier® Programmable Thermostat
Air Conditioner and Heat Pump Applications



Installation Guide



Designed and Assembled
in the USA.



A150217

INTRODUCTION

Welcome and from all of us at Carrier®, thank you for purchasing your new Carrier programmable thermostat. This thermostat is designed to be simple to install but it's best to review all of the instructions in this manual before you start to help ensure there are no surprises during installation.

If any questions arise during your installation, we're here to help:

- Visit www.carrier.com/homecomfort for how-to videos and answers to frequently asked questions.
- Technical support is also available by phone or email at:
 - 1.800.CARRIER or 1.800.227.7437
 - contact.carrier@carrier.utc.com
- The thermostat is also supported by the world's greatest network of professional contractors. Find an Expert Carrier Contractor at www.carrier.com/dealers.

Let's get started!

COMPATIBLE HEATING AND COOLING SYSTEMS

This thermostat works with many centralized residential heating and cooling systems.

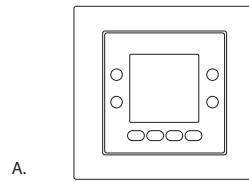
- Conventional Heating and Cooling (AC): one stage of heating and one stage of cooling
- Heat Pump (HP): two stages of heating and one stage of cooling
 - Heat pumps work to provide cooling in the summer but in the winter, they do it in reverse, drawing their heat energy from the outside air.
- Systems with a Common (C) wire
 - Recommended to whenever possible
- Systems without a Common (C) wire
 - Two alkaline AA batteries are required.



This thermostat is not compatible with Duel Fuel or Geothermal Systems or with Rh/Rc systems. Review all documentation to ensure that you have selected the appropriate model thermostat for your system.

ITEMS INCLUDED IN THE BOX

- The Carrier® Programmable Thermostat
- Mounting screws and drywall plugs
- Installation Guide and Owner's Manual
- Batteries



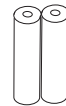
A.



B.



C.



D.

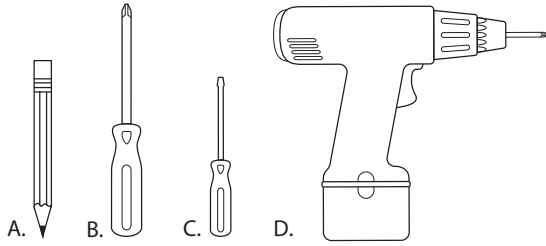
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Tip: Write down your thermostat serial number and save it for future reference. It is located on the thermostat circuit board next to the model number TB.

ITEMS YOU'LL NEED FOR INSTALLATION

- A. Pencil
- B. Phillips screwdriver
- C. Small flathead screwdriver
- D. Drill with a 3/16" drill bit



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Tip: Review all the instructions before you start to help ensure that there are no surprises during installation

Step 1 — REMOVE THE COVER FROM YOUR OLD THERMOSTAT

1. Most covers snap off easily but some are attached by screws. Remove the cover of your thermostat.
2. Note if either of the following apply to your old thermostat:
 - a. If you do not have a wire connected to C, two alkaline AA batteries required.
 - b. If you find that you have additional wires labeled anything other than Y, C, R, G, W, O/B – STOP and review to see if this model thermostat is compatible with your system



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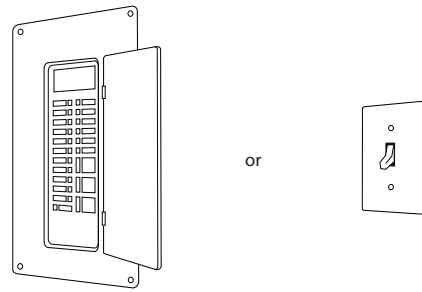
3. Reattach the cover of your old thermostat. You'll use Step 2 to confirm the power is disconnected.



Warning! If your old thermostat is labeled 110V or 120V, or is connected by thick wires and wire nuts, it is a high voltage system and is not compatible

Step 2 — POWER OFF YOUR HEATING AND COOLING SYSTEM

1. Turn off the power to your heating and cooling system.
 - You can do this either at your circuit breaker box or a switch at your indoor furnace or fan coil.
 - Most systems have one switch but some systems have two switches.
2. Make sure your system is without power by using your old thermostat to adjust the temperature. Your system should not turn on.



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Warning! Electrical operation hazard. Failure to follow this warning could result in injury, death, or equipment damage.

Step 3 — REMOVE YOUR OLD THERMOSTAT

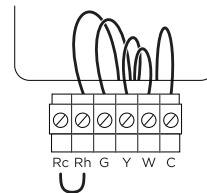
1. Remove the cover of your old thermostat.
2. Using your old thermostat as a guide, record wire color and corresponding letter where it is connected on the thermostat terminal block. Don't worry about any non-connected wires.

Wire Color	Connected to Terminal Letter
Green	G



Tip: Take a photo of your old thermostat wiring with your smartphone for reference later.

3. Disconnect each wire. Most thermostats' wires are connected using screws; simply loosen each screw with a small screwdriver. Be careful not to let any wires fall back into the wall.
4. Discard any jumper wires or brackets between Rh, Rc, or R.

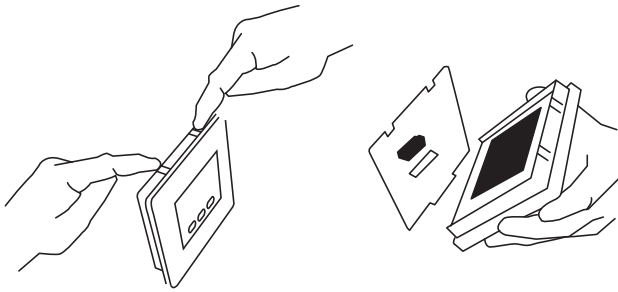


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5. Remove your old thermostat base by unscrewing it from the wall.

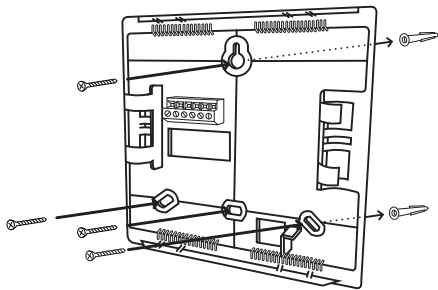
Step 4 — INSTALL YOUR CARRIER® THERMOSTAT

1. Separate front display and mounting back plate of thermostat.



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2. Gently pull the wires through the hole in the back plate.
3. Center the wires in the back plate.
4. Mark the mounting holes on the wall with a pencil.
5. Drill mounting holes on the pencil marks with a 3/16" drill bit.
6. Insert the plastic drywall anchors into the wall. Use the screws provided to secure the back plate to the wall.



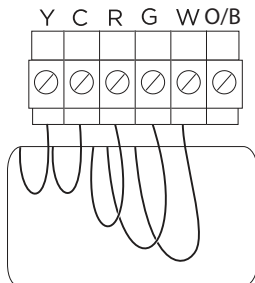
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Step 5 — CONNECTING THE WIRES

1. Using the table you created on Page 2, use a small screwdriver to loosen the screws then insert each wire into its matching connector block hole.
 - a. Insert only one wire in each connector.

Y	C	R	G	W	O/B
○	○	○	○	○	○
 - b. Only connect wires that were connected to your old thermostat.
 - c. If you need additional help with the wiring, refer to the wiring diagrams beginning on Page 5.
2. After inserting a wire, tighten screw using a small screwdriver.

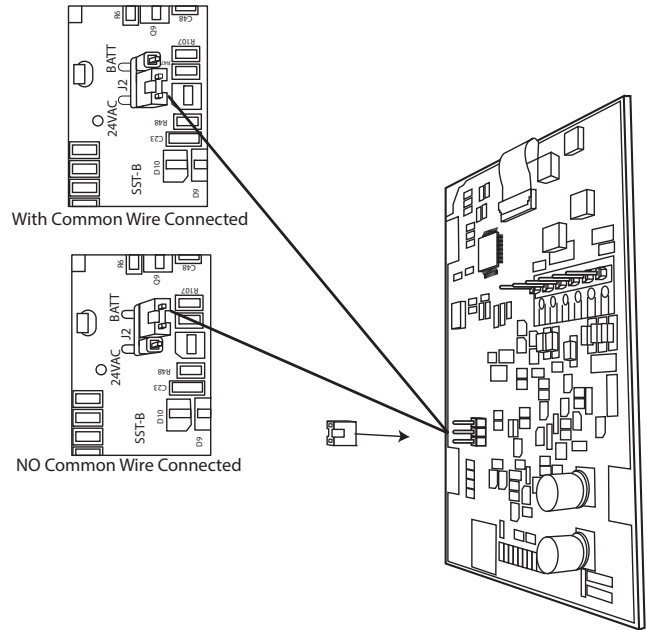
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3. When all the wires are connected, gently push any excess wire back into the wall.
4. Locate jumper marked J2 on the thermostat display's circuit board.

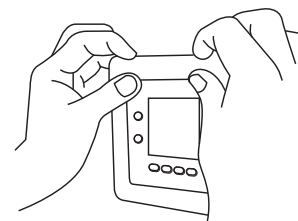
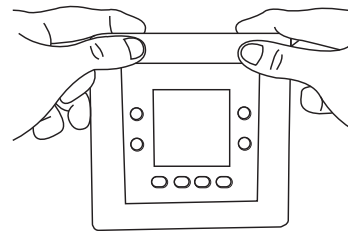
- a. If you connected a Common (C) wire, put J2 in the "24VAC" position.
- b. If you did not connect a Common (C) wire, leave J2 in the default "BATT" position.



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Step 6 — CONNECTING THE DISPLAY

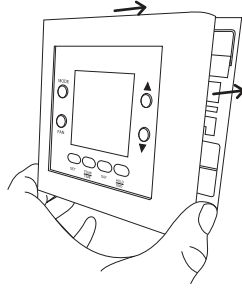
1. With the Carrier® logo positioned at the top, set the thermostat display into the 2 notches on the bottom of the mounting back plate.
2. Rotate the display forward and gently snap into place, making sure terminal block connector aligns and display is secure.
3. Remove the faceplate and insert batteries provided.
 - a. Use your thumb and forefinger to grasp and the faceplate away from the thermostat to expose the battery terminals.
 - b. Insert batteries being careful to orient batteries in the direction indicated by the embossed symbols on the plastic



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4. Replace faceplate.
5. Now you can turn the power back on to your heating and cooling system. Return to your circuit breaker or on/off switch and restore the power to your system.

6. The thermostat will automatically power on.



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Step 7 — SET THERMOSTAT CONFIGURATION

When power is first applied, AC will appear for 5 seconds to indicate that the thermostat setup as an air conditioner (AC), the most common application. You may need to make an adjustment to this setting depending on the system you've connected. See explanation under Option 01- Equipment Type below.

To adjust the default configuration, you will need to enter Configuration Mode. A description of each configurable option is listed below.

To Enter The Configuration Mode:

1. Press and hold the FAN key for about 10 seconds until the display changes so that only two pairs of digits are showing.



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2. The configuration number, now 01, will appear in the setpoint/temperature location and the configuration setting will appear in the clock location.
3. The configuration number (left pair) will be flashing which



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4. To cause the opposite pair to flash (to be adjustable), press the MODE key.



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5. Successive presses of the MODE key alternate between the configuration number (left) and the configuration setting (right).
6. To exit the configuration mode, press the HOLD/END key.



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7. If no key is pressed for 3 minutes, the configuration mode will automatically exit, returning the thermostat to normal operation.

Option 01 - Equipment type

You may need to make an adjustment to this setting depending on the system you've connected. If you're unsure about your system type, refer to wiring diagrams beginning on page 5.

Options: Air Conditioner (AC), Heat Pump (HP), PH, or PC

Description:

1. AC or PC controls 1 speed air conditioner with one stage of heat.
2. HP or PH controls 1 speed heat pump with 1 stage of auxiliary heat.
3. PH or PC selects PTAC units (Packaged Terminal Air Conditioners) which are used in motel rooms and other rented spaces. When this option is selected, the display shows only the setpoint, not the room temperature. Also, the compressor timeguard is disabled, allowing the compressor to turn on immediately when a demand is established.

Option 03 - Fahrenheit/Centigrade

Default: Fahrenheit (F)

Selections: Fahrenheit (F), Centigrade (C)

Description: This selection operates the thermostat in either Fahrenheit or Centigrade.

Option 04 - G (fan) ON with W (Heat) Selection

Default: G not energized with W (OF)

Options: G not energized with W (OF), G energized with W (ON)

Description: This selection determines whether the fan (G) is to be ON or OFF when W (furnace or strip heat) is ON. Furnaces and fan coils which manage their own blowers do not require a separate G signal. Some auxiliary heaters require a separate G signal to operate the blower when W is applied.

Option 10 - Reversing valve

Default: Reversing valve energized in cooling (C)

Options: Reversing valve energized in cooling (C), Reversing valve energized in heating (H)

Description: Applies only when configured for Heat Pump applications. Most systems use the orange (O) wire and are energized in cooling.

- Select Energized in Cooling (C) if you connected an (O) wire in the O/B terminal to activate the reversing valve output when there is a call for cooling.
- Select Energized in Heating (H) if you connected a (B) wire in the O/B terminal to activate the reversing valve output when there is a call for heating.
- If you are unsure, consult your heating and cooling system equipment installation instructions or contact Carrier customer support.

Option 13 - Room Air Temperature Offset

Default: 0°F

Options: +/- 5°F or +/- 3°C.

Description: The number of degrees to be added to the displayed temperature to calibrate the measured room temperature. The selected number is the number of degrees, plus or minus, which will be added to actual temperature. This option is in °F even if Option 03 is set for °C.

Option 15 - Auto Changeover

Default: Off (OF)

Options: On (ON), Off (OF)

Description: This feature allows the thermostat to automatically change between heating and cooling mode when a demand has been present in the opposite mode for a period of 20 minutes. Manually changing either the cooling or the heating setpoint will allow an auto changeover to occur without the 20 minute time constraint. The heat setpoint and cool setpoint are separated by a minimum of 2°F.

Option 21 - Keypad Lockout

Default: Off (OF)

Options: On (ON), Off (OF)

Description: With ON selected the keypad will be locked and can be unlocked by simultaneously pressing the UP and DOWN keys

for 5 seconds. Once unlocked, it will relock 2 minutes after the last keypad press. If any key is pressed and the thermostat is locked, "Loc" will be displayed in the clock digits.

Option 26 - Minimum Cooling Setpoint

Default: 52°F or 11°C

Options: Between 52°F and 90°F or 11°C and 32°C

Description: Sets the lowest cooling setpoint available.

Option 27 - Maximum Heating Setpoint

Default: 88°F or 31°C

Options: Between 50°F and 88°F or 10°C and 31°C

Description: Sets the highest heating setpoint available.

Step 8 — Set Time and Day Configuration

Setting The Current Time:

1. Press the TEMP/TIME button. SET TIME flashes on the display.
2. Press the UP or DOWN button until the correct time is displayed.
3. To quickly advance to the proper time, press and hold the UP or DOWN button.
4. When the correct time appears on the display, press the HOLD/END button.

NOTE: If you choose not to press the HOLD/END button, the thermostat will automatically exit the time setting mode after 10 seconds.

Setting The Current Day:

1. Press the DAY button to advance to the correct day.
2. When the correct day appears on the display, press the HOLD/END button.

Step 9 — Check Thermostat Operation

To finalize your installation, confirm your equipment is operating properly

Fan Operation

1. Press FAN button. This will start continuous fan operation. FAN ON icon will turn on.
2. Press FAN button again. This will stop continuous fan operation. FAN ON icon will turn off.


Heating Operation

1. Press MODE button until HEAT is displayed.
2. Press UP button until LCD readout reads 3°F/2°C above room temperature. Press UP and FAN buttons simultaneously to defeat timers. Heating system should begin to operate immediately.
3. For Heat Pump (HP) applications only, press MODE button until EMHT (emergency heat) appears. Press UP and FAN buttons simultaneously to defeat timers. Emergency heating (W is ON, Y is OFF) should begin immediately.

Cooling Operation

1. Press MODE button until COOL is displayed.
2. Press DOWN button until LCD readout reads 3°F/2°C below room temperature. Press UP and FAN buttons simultaneously to defeat timers. Cooling system should begin to operate immediately.

NOTE: the thermostat uses timers to protect your system from running heating or cooling cycles which are too short. Allow five minutes between heating and cooling changes.



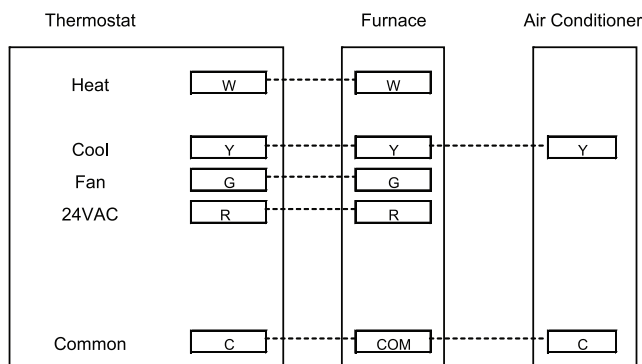
Warning! To avoid possible compressor damage, do not run cooling if the outside temperature drops below 50°F (10°C).

Table 1 shows the thermostat outputs for each available stage of heating or cooling. It may be useful in checkout or troubleshooting.

Table 1 – Outputs

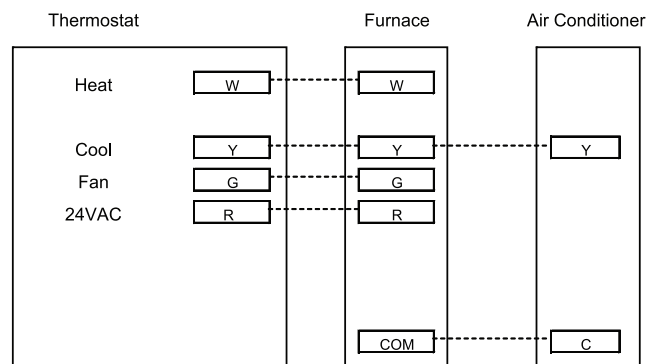
EQUIPMENT CONFIGURATION OPTION #1	COOL STAGE 1	HEAT STAGE 1	HEAT STAGE 2	EM HEAT
AC, PC	Y, G	W	- -	- -
HP, PH RVS = C	Y, G, O/B	Y, G	Y, G, W	W
HP, PH RVS = H	Y,G	Y, G, O/B	Y, G, W, O/B	W

WIRING DIAGRAMS



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Fig. 1 - Conventional A/C Typical Installation
Equipment configuration: AC



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Fig. 2 - A/C Installation, No Common Wire
Equipment configuration: AC

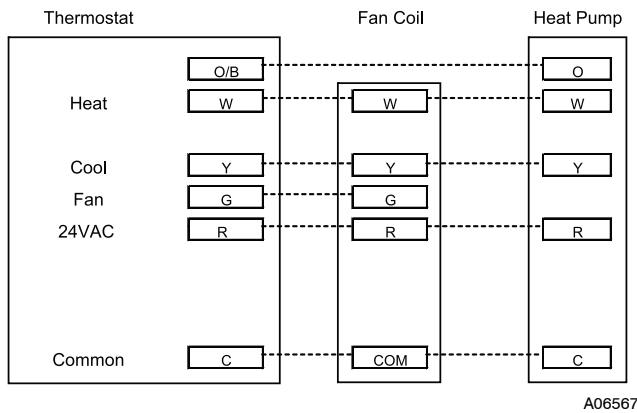


Fig. 3 - Conventional Heat Pump Typical Installation
Equipment configuration: HP

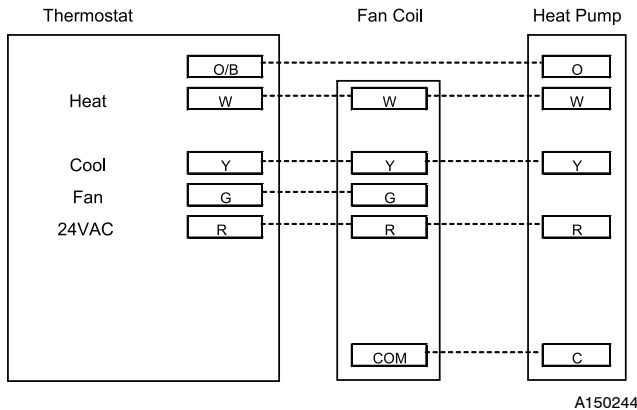


Fig. 4 - Heat Pump, No Common Wire
Equipment configuration: HP

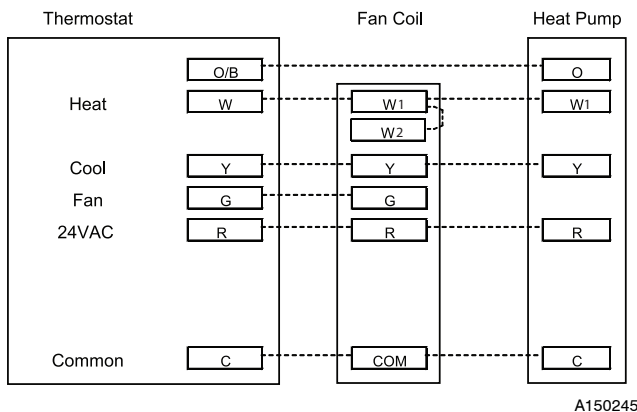


Fig. 5 - Heat Pump + 2nd Stage of Heat
Equipment configuration: HP

THERMOSTAT OPERATION FEATURES

Timeguard Timer

A 5-minute timeguard is built into the thermostat immediately upon power-up, and any time the compressor turns off. The compressor will not turn on until the timeguard has expired. The timeguard affects only compressor operation. Pressing UP and FAN buttons simultaneously will override the timeguard for 1

cycle. With PH or PC selected under Option 1, this timer is defeated.

Cycle Timer

In normal heating and cooling operation the thermostat will not allow more than 4 equipment cycles per hour (or 1 cycle every 15 minutes). Both the Y and W outputs have a 15 minute timer that starts counting down when the output is turned on, (e.g., if Y output is turned on for 9 minutes and then satisfies, it cannot turn back on for another 6 minutes regardless of demand). However, pressing UP and FAN buttons simultaneously or changing the setpoint will override the timer for 1 cycle.

Minimum On Timer

Once the equipment has turned on, it will remain on for a minimum of 3 minutes regardless of demand. However, the equipment can turn off in less than 3 minutes if a change in setpoint or a change in mode occurs.

Staging Timer

If the thermostat is configured for a heat pump application, it has 2-stage heat capability. In normal operation there is a 15 minute delay between the first and second stages of heat. The Y output will energize first, then 15 minutes later, W is allowed to come on if the thermostat determines it is not satisfying the demand. However, if the heating demand is greater than 5°F/3°C, there will be only a 30 second delay before bringing on W.

TROUBLESHOOTING

Your thermostat does not power on:

Check the following:

1. Turn off the power to your system. Check that all wires are properly inserted into the terminal blocks at the thermostat.
2. Tug lightly on the wires to ensure they are not loose.
3. Ensure you turned the power back on to the equipment either at the switch at the indoor equipment or the electrical panel (where you originally turned off the equipment).
4. If your device still doesn't power on check the AC voltage between Rc and C or Rh and C using a multi-meter to ensure it is 24V AC.
5. If your device still does not power on, please contact:
 - Technical support at 1.800.CARRIER or contact contact.carrier@carrier.utc.com
6. Find an Expert Carrier Contractor at carrier.com/dealers

Backlight will not come on:

- If your thermostat is installed without a Common (C) wire and when the battery is low, the backlight will remain off with button presses.

Error Messages:

1. Two dashes (- -) appear in the temperature display
 - The thermostat must be replaced. The room temperature sensor failed and all heating and cooling outputs will be turned off.
2. E4 alternately flashes with the temperature on the display
 - The thermostat must be replaced. All heating and cooling outputs will be turned off.

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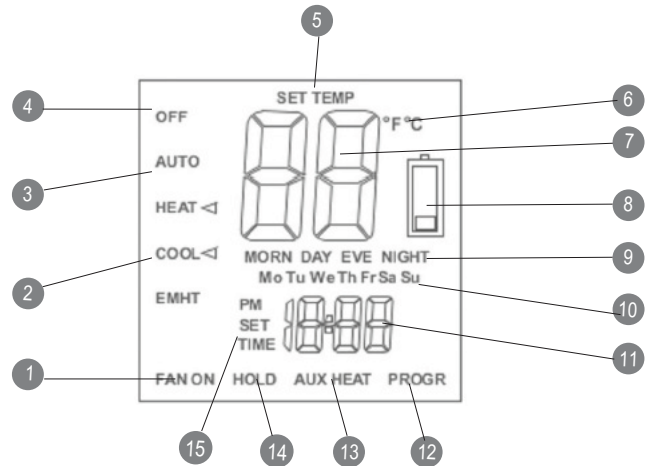


Owner's Manual



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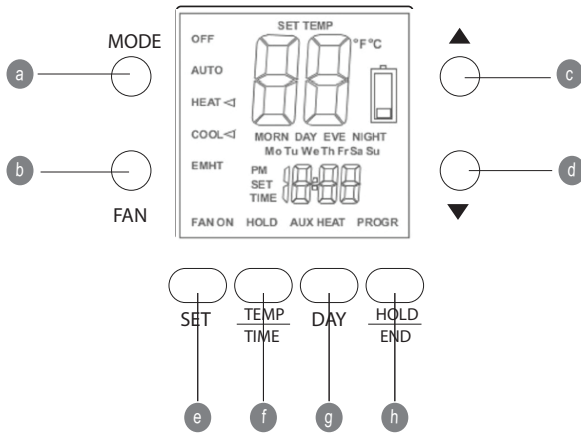
On-Screen Indicators



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THERMOSTAT OPERATION

Button Identification



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- MODE:** Selects whether thermostat is set for heating, cooling, auto, or off.
- FAN:** Select either continuous fan operation (on) or only when needed for heating or cooling.
- UP:** Increase temperature or adjust screen selection up
- DOWN:** Decrease temperature or adjust screen selection down
- SET:** Press to begin programming
- TEMP/TIME:** Adjust temperature and time selections during programming
- DAY:** moves between days of the week during programming
- HOLD/END:** hold a manual temperature change or end to exit a menu

- Continuous fan mode on
- Thermostat mode is either Heat, Cool or Emergency Heat
- Thermostat mode is auto and will automatically changeover between Heat and Cool
- Thermostat mode is Off
- Temperature set point indicator
- Temperature displayed in Fahrenheit or Celsius
- Current Indoor Temperature
- Battery strength indicator
- Period of day for programming mode
- Day(s) of the week for programming mode
- Time
- Programming mode
- System is in auxiliary (supplemental) mode
- System is in hold
- AM or PM indicator for time

Temperature Display

Thermostat will display room temperature until UP or DOWN button is pressed. The words SET TEMP appear when these buttons are pressed, and the current setpoint is displayed. If no buttons are pressed for 5 seconds, the display will change back to show room temperature.

Backlighting

The backlight will come on for 10 seconds after any button press.

Battery Indicator

A battery indication icon on the display shows nothing, half, or low/no battery condition. If the battery is full or operation is from AC power, no icon appears. Under battery operation, if the battery is half full, a half full battery icon appears. As the battery depletes below half, the icon remains at half, but the 10 second backlight

disappears. When the battery is absent or depleted, the display goes blank except for an empty battery icon and all outputs are turned off.

Auxiliary Heat Indicator

When operating a heat pump and either auxiliary heat or emergency heat is active, the AUX HEAT icon will show on the LCD.

PROGRAMMED OPERATION

Introduction

The Universal Application Programmable Thermostat provides four periods per day (MORN, DAY, EVE, NIGHT) and two schedules per week (MoTuWeThFr and SaSu). A separate time, heat setpoint, and cool setpoint can be set for each period and schedule. Before starting to actually program the thermostat, fill out Table 1 with the values you wish to program. (The factory default time and temperature values are already programmed for you as a starting point and are shown in Table 1.)

The first press of the SET button brings up the programming mode and places you at morning (MORN) of the MoTuWeThFr schedule. Successive presses move you between the four daily periods.

While Programming:

The TEMP/TIME button moves between three selections of SET TIME, SET TEMP & HEAT, and SET TEMP & COOL. These three numbers are to be programmed for each of the periods MORN, DAY, EVE, and NIGHT. The DAY button moves between the weekdays, (MoTuWeThFr) and the weekend (SaSu) selections. A different schedule may be set for the weekdays and the weekend. You may exit programming at any time by pressing the HOLD/END button.

Programming A Weekly Comfort Schedule:

1. Press the SET button. The word PROGR appears on the display and the words SET TIME flash on the display. The MoTuWeThFr and MORN period icons will appear on the display. The current mode HEAT will also show.
2. Press the UP or DOWN button to set the start time for MORN (1) value in Table 1).
3. Press TEMP/TIME. The words SET TEMP will flash. Use the UP and DOWN buttons to select the heat setpoint.
4. Press TEMP/TIME. The word COOL will appear and SET TEMP continues to flash on the display. Use the UP and DOWN buttons to select the cool setpoint.
5. Press the SET button to advance to the next time period. Press TEMP/TIME. Enter time and temperature settings (4) through 12) in Table 1) for the periods DAY, EVE, and NIGHT by following items 2- 4 above.
6. Press the DAY button to change between weekday and weekend programming. To set the weekend schedule, repeat items 2 through 5, entering values in 13) through 24) in Table 1.
7. Press HOLD/END to exit the programming mode.

Modifying Your Weekly Comfort Schedule

If you choose to change any of your weekly schedule, press SET at any time. You will enter the programming schedule with weekdays morning period. You are ready to set the new starting time for the morning period. One press of the TEMP/TIME button and you are ready to set the new morning temperature. To set values for other periods, use the SET button. To set values for other days, use the DAY button. Press HOLD/END and you are finished.

OVERRIDING YOUR COMFORT SCHEDULE

There are two ways to override your comfort schedule:

Method 1 — Manual Operation

By pressing the HOLD/END button to turn on the HOLD icon, the thermostat will maintain the current temperature settings and ignore the comfort schedule for an indefinite period of time. The word HOLD will appear in the display. Press the HOLD/END button a second time and the thermostat will return the temperature settings to the programmed comfort schedule. Pressing HOLD/END will not alter your programmed comfort schedule.

Method 2 — Temporary Override

At the first press of the UP or DOWN button, the current temperature setting will appear on the display. Pressing the UP or DOWN button again will temporarily change the setpoint as needed. At the next programmed time, the programmed comfort schedule will resume.

MANUAL OPERATION

To Operate Manually (Without the Programmed Comfort Schedule):

Press the HOLD/END button to make the HOLD icon appear.

Then follow the four steps below:

1. To Select the Mode:
Use the MODE button to move between the choices. OFF, HEAT, AUTO (if enabled), COOL, or EMHT will appear on the display. EMHT will only appear when setup for heat pump application.
2. To Select the Fan Operation:
Use the FAN button to move between continuous fan (indicated by the FAN ON icon) and auto fan operation.
3. To Read the Room Temperature:
The large display reads room temperature until a button is pressed.
4. To Adjust the Setpoint:
In normal operation, the large display shows room temperature. At the first press of the UP or DOWN button, the large display shows the current setpoint and the SET TEMP icon is turned on. Further presses of the UP or DOWN button adjust the setpoint upward or downward. Five seconds after the last button press, the display returns to the room temperature and the SET TEMP icon turns off.

Table 1 – Programming Table

FACTORY DEFAULT VALUES				NEW COMFORT SCHEDULE					
PERIOD	TIME	COOL	HEAT	MoTuWeThFr TIME	COOL	HEAT	SaSu TIME	COOL	HEAT
MORNING	6:00 A.M.	78°F 26°C	68°F 20°C	1)	2)	3)	13)	14)	15)
DAY	8:00 A.M.	85°F 29°C	60°F 16°C	4)	5)	6)	16)	17)	18)
EVE	5:00 P.M.	78°F 26°C	68°F 20°C	7)	8)	9)	19)	20)	21)
NIGHT	10:00 P.M.	82°F 28°C	60°F 16°C	10)	11)	12)	22)	23)	24)

AUXILIARY AND EMERGENCY HEAT

Auxiliary Heat

If the system has determined that it's too cold outside for your heat pump to heat the house without help, the AUX HEAT icon will indicate that the system is getting help from the electric heaters. This happens automatically.

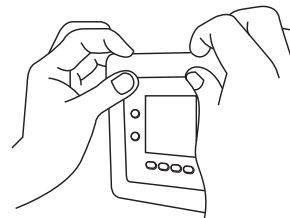
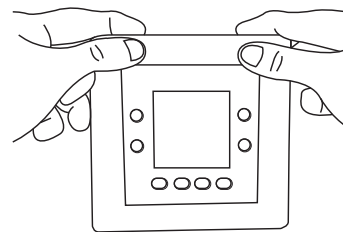
Emergency Heat (EMHT)

If the heat pump is not working properly, you can manually turn on the emergency heat by pressing MODE until EMHT appears. You'll know there's a problem if the house can't seem to get warm when it's cold outside. You want to avoid using emergency heat continuously, though, because it's the most expensive option. If you suspect a problem with your heat pump, call your heating and cooling dealer immediately.

CHANGING BATTERIES

In some situations, two AA batteries are the power source for the thermostat. If batteries are used with your equipment, then they should last about one year. As the batteries lose their power, a battery icon appears on the display showing one black bar and then none. As the icon becomes empty, you will begin to lose thermostat functions because the batteries are losing their power. When the batteries are completely dead, you won't be able to use the thermostat.

When using batteries for power, we recommend you replace them with two AA alkaline batteries. They are in a compartment under the removable faceplate of the thermostat. ***You do not have to remove the thermostat from the wall to replace the batteries.*** Simply use your thumb and forefinger to grasp and pull the branded faceplate away from the thermostat to expose the batteries. Lift out the batteries, and replace them. Be sure to orient batteries in the direction indicated by the embossed symbols shown on the plastic.



A150228



CARRIER CORPORATION

Limited Warranty for Thermostats

FOR WARRANTY SERVICE OR REPAIR:

For Warranty Service or Repair: Visit www.carrier.com/homecomfort or contact Carrier Corporation Customer Relations at 1-800-227-7437 for instructions.

PRODUCT REGISTRATION: You can register your product online at www.carrier.com.

Model Number _____ Serial Number _____
 Date of Installation _____ Installed by _____
 Name of Owner _____ Address of Installation _____

Carrier Corporation (hereinafter “Company”) warrants this product against failure due to defect in materials or workmanship under normal use and maintenance as follows. All warranty periods begin on the date of purchase. If a part fails due to defect during the applicable warranty period Company will provide a new or remanufactured part, at Company’s option, to replace the failed defective part at no charge for the part. Alternatively, and at its option, the Company will provide a credit in the amount of the then factory selling price for a new equivalent part toward the retail purchase price of a new Company product. Except as otherwise stated herein, those are Company’s exclusive obligations under this warranty for a product failure. This limited warranty is subject to all provisions, conditions, limitations and exclusions listed below and on the reverse (if any) of this document.

RESIDENTIAL APPLICATIONS

This warranty is to the original owner and subsequent owners only to the extent and as stated in the Warranty Conditions and below. The limited warranty period in years for residential applications, depending on the part and the claimant, is as shown in the table below.

Product	Limited Warranty (Years)	
	Original Owner	Subsequent Owner
TC- PBO01- BLK, TC- PHP01- BLK, TC- WHS01- BLK Thermostat	3	3

OTHER APPLICATIONS

For all applications other than residential applications, the warranty period is one (1) year. The warranty is to the original owner only and is not available for subsequent owners.

LEGAL REMEDIES: The owner must notify the Company in writing, by certified or registered letter to Carrier Corporation, Warranty Claims, P.O. Box 4808, Syracuse, New York 13221, of any defect or complaint with the product, stating the defect or complaint and a specific request for repair, replacement, or other correction of the product under warranty, mailed at least thirty (30) days before pursuing any legal rights or remedies.



CARRIER CORPORATION

WARRANTY CONDITIONS:

1. Where a product is installed in a newly constructed home, the date of purchase is the date the homeowner purchased the home from the builder.
2. If the date of original purchase cannot be verified, then the warranty period begins ninety (90) days from the date of product manufacture (as indicated by the model and serial number). Proof of purchase may be required at time of service.
3. The warranty applies only to products remaining in their original installation location.
4. Installation, use, care, and maintenance must be normal and in accordance with instructions contained in the Installation Instructions, Owner's Manual and Company's service information.
5. Defective parts must be returned to the distributor through a registered servicing dealer for credit.

LIMITATIONS OF WARRANTIES: ALL IMPLIED WARRANTIES AND/OR CONDITIONS (INCLUDING IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR USE OR PURPOSE) ARE LIMITED TO THE DURATION OF THIS LIMITED WARRANTY. SOME STATES OR PROVINCES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY OR CONDITION LASTS, SO THE ABOVE MAY NOT APPLY TO YOU. THE EXPRESS WARRANTIES MADE IN THIS WARRANTY ARE EXCLUSIVE AND MAY NOT BE ALTERED, ENLARGED, OR CHANGED BY ANY DISTRIBUTOR, DEALER, OR OTHER PERSON, WHATSOEVER.

THIS WARRANTY DOES NOT COVER:

1. Labor or other costs incurred for diagnosing, repairing, removing, installing, shipping, servicing or handling of either defective parts, or replacement parts, or new units.
2. Any product not installed pursuant to any applicable governmental minimum efficiency standards.
3. Normal maintenance as outlined in the installation and servicing instructions or Owner's Manual.
4. Failure, damage or repairs due to faulty installation, misapplication, abuse, improper servicing, unauthorized alteration or improper operation.
5. Failure to start or damages due to voltage conditions, blown fuses, open circuit breakers, the inadequacy, unavailability or interruption of electrical, Internet service provider, or mobile device carrier service or your home network.
6. Failure or damage due to floods, winds, fires, lightning, accidents, corrosive environments (rust, etc) or other conditions beyond the control of Company.
7. Parts not supplied or designated by Company, or damages resulting from their use.
8. Products installed outside the U.S.A. and Canada.
9. Electricity or fuel costs, or increases in electricity or fuel costs from any reason whatsoever, including additional or unusual use of supplemental electric heat.
10. Any cost to replace, refill or dispose of refrigerant, including the cost of refrigerant.
11. **ANY SPECIAL, INDIRECT OR CONSEQUENTIAL PROPERTY OR COMMERCIAL DAMAGE OF ANY NATURE WHATSOEVER.** Some states or provinces do not allow the exclusion of incidental or consequential damages, so the above limitation may not apply to you.

This Warranty gives you specific legal rights, and you may also have other rights which vary from state to state or province to province.

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