

Comfort™ Series Thermostat

Carrier

Turn to the Experts

Homeowner's Guide

Comfort
SERIES



Comfort Control at Your Fingertips

CONGRATULATIONS

INTELLIGENT, EASY TO USE

Congratulations on your purchase of a new Carrier thermostat. Your new thermostat combines computer-like intelligence with extremely simple operation in an elegant package. Designed to maximize performance, your Carrier thermostat provides reliable, accurate temperature control while blending into any home's decor. As you read on, you'll quickly see how easy it is to set up and operate your new thermostat and enjoy the comfort of your home.

COMFORT AT YOUR COMMAND

Carrier has met the needs of homeowners nationwide with their non-programmable thermostat. Controlling your heating and cooling system at the touch of a button, this powerful device helps deliver comfort year round.

MAKING LIFE EASIER

Take a few minutes to review the features and functions listed at the right. Carrier gives you control over your comfort with simple instructions, responsive push buttons and an easy-to-read backlit display. Once set, this thermostat reliably monitors indoor temperature and responsively meets your comfort demands.

Up and Down Buttons increase or decrease the desired temperature setting.

LOW BATTERY Indicator will light when batteries (if installed) need to be replaced.

Outdoor Temperature Display is an optional feature that shows the outdoor temperature on the LCD readout.

SERVICE FILTER Indicator lets you know it is time to clean or replace your system's air filter.

Room Temperature Display shows current room temperature.

COOL ON Indicator is displayed when the cooling equipment is operating.

HEAT ON Indicator is displayed when the heating equipment is operating.

MODE Button selects between OFF, HEAT, COOL, AUTO, and OFF operation. Heat pump thermostat models also include an EMERGENCY HEAT mode.

FAN Button chooses between CONTINUOUS FAN and AUTO FAN operation.

AUXILIARY HEAT Indicator is displayed when a heat pump system is operating with auxiliary heat air filter.

RESET FILTER Button restarts the timer that calculates the next air filter change or cleaning.

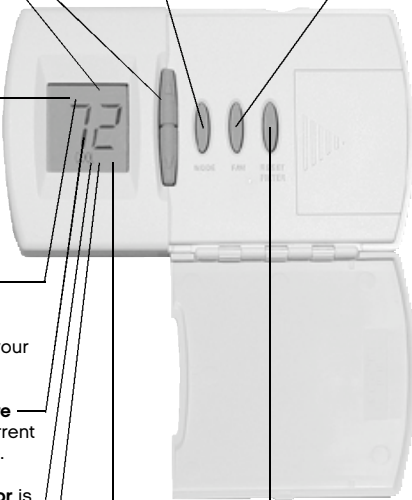


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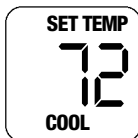
SETTING & OPERATING THE THERMOSTAT

Setting your indoor temperature set points

- 1 Press the UP or DOWN button.



The LCD readout will be illuminated and the heating or cooling temperature set point will be displayed, but will not change. Next to the temperature display, HEAT or COOL indicates which temperature set point is being displayed.



- 2 Continue to press the UP or DOWN buttons until your desired heating or cooling temperature set point is displayed.



- 3 Press the MODE button to select the second temperature setting (either HEAT or COOL).

- 4 Press the UP or DOWN buttons until your second desired temperature set point is displayed.



NOTE: Your COOL setting must be at least 2° higher than your HEAT setting. Your thermostat will automatically change your previously set temperature to maintain that 2° difference.

SETTING & OPERATING THE THERMOSTAT

Setting fan operation

- 1 Press the FAN button to switch between ON and AUTO fan settings.

FAN on indicator will be displayed on LCD. When the ON mode is selected, the fan runs continuously for improved air circulation.

When the AUTO mode is selected, the fan runs only as needed to maintain your desired indoor temperature. FAN on indicator is not displayed on LCD.



FAN



Setting mode operation

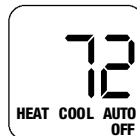
- 1 Press the MODE button.
- 2 On the LCD readout, the words OFF, HEAT, COOL, and AUTO will rotate as the MODE button is pressed.

If you have a heat pump, the LCD readout will show OFF, HEAT, COOL, AUTO, and EMERGENCY HEAT (EHEAT).

NOTE: In AUTO mode, your system will heat OR cool as needed to reach your



MODE



SETTING & OPERATING THE THERMOSTAT

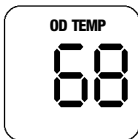
desired temperature. AUTO mode may be disabled.

Checking the outdoor temperature

- 1 Press the UP and DOWN buttons simultaneously for 20 seconds then release
- 2 The outdoor temperature will show on the LCD readout.



NOTE: If 2 dashes (--) appear, your thermostat does not include the outdoor temperature function or the function is not working properly. Check with your dealer if you are unsure.



Service filter feature

Your thermostat reminds you when it's time to change or clean your filter by displaying the SERVICE FILTER indicator.

- 1 Press the RESET FILTER button after you have changed or cleaned your filter to restart the timer.



SETTING & OPERATING THE THERMOSTAT

Battery change out

If the installation requires the usage of batteries, the batteries will require replacement every 12 months.

- 1 Open door on thermostat.
- 2 Slide battery compartment door to the right.
- 3 Remove two AA alkaline batteries.
- 4 Follow polarity markings (+ / -) on the thermostat.
- 5 Install two new AA alkaline batteries and replace battery door.

NOTE: If installation is hard-wired, batteries are not required or will not need replacement.

AUTO CHANGEOVER

Your thermostat provides complete, automatic control over heating and cooling with auto changeover. Auto changeover means your system will automatically heat or cool as needed to maintain your temperature set points.

Auto changeover makes life easier because you no longer have to manually switch the thermostat between heating or cooling operation. Just set your heating and cooling set points and let the system do the rest!

NOTE: If auto changeover is not necessary in your area of the country, your installer may disable the AUTO mode feature.

WHAT IF...

The AUXILIARY HEAT indicator is displayed...

The AUX HEAT indicator appears on the heat pump version of the thermostat only. It is displayed when your system is operating on auxiliary heat.

NOTE: This indicator does not reflect a problem with your system.

The SERVICE FILTER indicator is displayed...

The SERVICE FILTER indicator tells you when to clean or replace your air filter. Press the RESET FILTER button after cleaning or replacing the filter to turn off the indicator and reset the system.

NOTE: This indicator does not reflect a problem with your system.

You have a power outage...

An internal power source maintains the desired temperature settings indefinitely.

You have a system error message...

The temperature sensor failure indicator sends a -- reading to the LCD display. This means your thermostat's temperature sensor is no longer able to

WHAT IF...

measure temperatures. You will need to contact your dealer to repair the problem.

An E2 reading on the LCD display means there is not enough voltage for the system to operate. Contact your dealer for further information.

A flashing E3 (alternating with room temperature) indicates the outdoor air temperature sensor is absent or not working properly (and is needed for proper operation).

If the outdoor air temperature sensor is absent, the outdoor temperature reading will be "--".

The batteries are low...

If the batteries are low, the display will indicate a low battery signal on the thermostat. Replace the batteries with two AA alkaline batteries.

NOTE: If the product is hard-wired by the installer, the batteries will never have to be replaced.

COMMON TERMS & WHERE TO FIND THEM

Auxiliary HeatPg. 7

Most heat pump systems require a supplemental heating source, called auxiliary heat, to maintain your comfort when outdoor temperatures fall significantly. Your thermostat lets you know when your home is being warmed with supplemental heat.

NOTE: For additional energy savings opportunities, ask your dealer about locking out auxiliary heat at a selected outdoor temperature.

Service FilterPg. 4

Your system's air filter will require regular cleaning to reduce the dirt and dust in the system and your indoor air. The SERVICE FILTER indicator lets you know when it's time to clean the filter.

FanPg. 3

Your system's fan can run continuously or only as called for during heating or cooling. Continuous operation helps with air circulation and cleaning. Automatic operation provides energy savings. Press the FAN button to make your choice.

COMMON TERMS & WHERE TO FIND THEM

ModePg. 3

Mode refers to the type of operation your system is set up to perform. Mode settings include: OFF, HEAT, COOL, and AUTO. Heat pump systems also include EMERGENCY HEAT (EHEAT).

Outdoor TemperaturePg. 4

Your thermostat not only registers the indoor temperature, but it may also be equipped to register and display the outdoor temperature as well. Press the UP and DOWN buttons simultaneously to read the outdoor temperature display.

Power OutagePg. 7

Complete loss of electricity. Your thermostat has an internal power source that will allow it to maintain your desired temperature settings indefinitely. This function does not require batteries.

Reset FilterPg. 4

The reset filter function turns off the SERVICE FILTER indicator and restarts the system. Press the RESET FILTER button after you've cleaned and replaced the system's air filter.

COMMON TERMS & WHERE TO FIND THEM

Set PointsPg. 2

The heating and cooling temperature set points you wish the system to maintain and have entered into the thermostat. The actual room temperature will automatically be displayed, but you can check the desired temperature by pressing either the UP or DOWN button. While the SET TEMP indicator is lit, press the MODE button to display the desired temperature set points for the other mode.

Temperature SensorPg. 7

The temperature sensor measures the current indoor or outdoor temperatures which are displayed on the thermostat.

Up and Down ButtonsPg. 1

These buttons are used to set your desired temperature set points.

WARRANTY

This thermostat includes a five-year limited warranty. For detailed warranty information, please refer to the All Product Limited Warranty Card included in your information packet.

This thermostat is also eligible for manufacturer's extended system warranties. Ask your dealer for details on extended warranties for longer-term protection.



Turn to the Experts.

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Manufacturer reserves the right to discontinue, or change at any time, specifications or designs without notice or without incurring obligations.