Infinity™ Control

Carrier®

Turn to the Experts.℠

Homeowner's Guide

Zone Control

The New Feeling of Comfort

CONGRATULATIONS!

Your decision to choose the Carrier Infinity™ Control puts you in a select group of homeowners who understand the value of precise comfort control and appreciate the simplicity of an easy-to-use, intuitive, user interface.

We sincerely appreciate you putting your trust in Carrier. Carrier has been delivering the finest indoor comfort equipment since 1902. Your new Infinity Control offers yet another example of the high quality comfort technology for which we are recognized.

Please take a few moments to review this manual…set up a comfort schedule that makes sense for your lifestyle…then relax and enjoy the comfort!

Current Zone

Zone Button used to page through zones.

Room Temperature

Day & Time

Time Period displays the comfort schedule's active period.

Left Button provides accessary status.

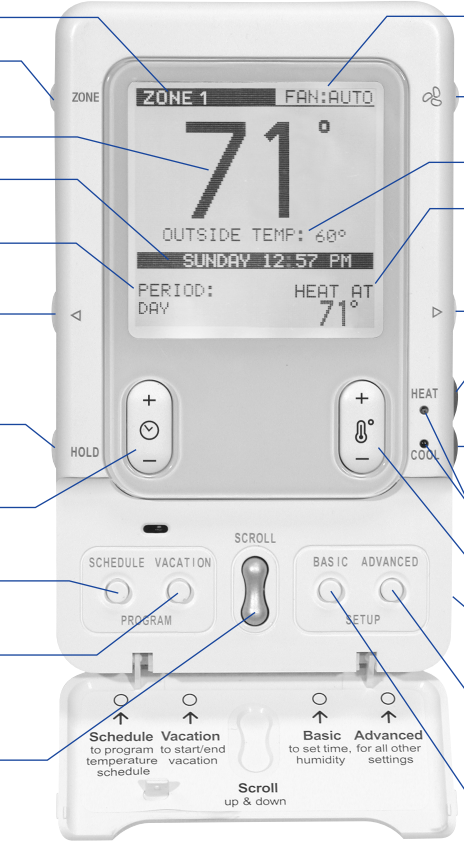
Hold/Unoccupied Button maintains desired temperature indefinitely or activates "unoccupied" comfort settings.

Time (+\-) Button

Schedule Button used to access and exit the comfort schedule.

Vacation Button activates/deactivates vacation comfort settings.

Scroll Button used to move up and down the screen during scheduling and setup.



Fan Setting

Fan Button chooses “high,” “medium,” “low,” or “auto” fan mode.

Outside Temperature

Desired Heating/Cooling Temperature

Right Button provides system status.

Heat Button selects heating operation.

Cool Button selects cooling operation.

Heat/Cool LEDs indicate heating or cooling operation.

Temp (+\-) Button

Off Button turns the system on and off.

Advanced Setup Button provides access to customizable features.

Basic Setup Button provides access to current day, time and desired humidity level.

TABLE OF CONTENTS

QUICK GUIDE INSTRUCTIONS . . .2

BASIC SETUP 6

Set Day, Time & Humidity 6

NORMAL OPERATION 7

Turn System On/Off 7

Heating 7

Auxiliary Heat 7

Emergency Heat 7

Cooling 8

Auto 8

Adjust Current Temperature . . .9

Adjust Heating Temperature 9

Adjust Cooling Temperature 9

Adjust Fan Speed 10

Hold Current Temperature 10

Unoccupied Function & Settings 11

Vacation Function & Settings . .11

Check System Status (Right Button) 12

Accessory Status (Left Button) 13

Resetting Accessory Usage Indicator 13

Accessory Maintenance Pop-Up Messages 14

Service Pop-Up Messages 15

Keyboard Lock-Out 16

PROGRAMMABLE FEATURES, SETUP & OPERATION 17

Backlighting 17

Determining Your Comfort Schedule 17

Programming Your Comfort Schedule 18

One Schedule for All Days 18

Weekdays Schedule 20

Weekend Schedule 21

Daily Schedule 22

Copy Day 23

Copying a Zone Schedule 24

Programming Fan Speed 25

ZONE FEATURES, SETUP & OPERATION 27

Checking Zone Status 27

Naming Your Zones 27

Programming Each Zone 27

Fresh Air Ventilation 28

ADVANCED SETUP 29

Accessory Maintenance Reminders 29

Lighting 30

Heating Humidity 31

Cooling Humidity 32

Vacation 33

Unoccupied 34

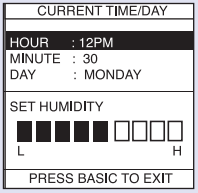
Zone Names 35

SMART SENSOR OPERATION . .36

GLOSSARY 38

This guide provides the basic operations for setting up and operating your Infinity™ Control.

Set Day, Time & Desired Humidity



1. Flip down the door at the base of the Infinity™ Control.
2. Press the BASIC button.
3. Adjust the highlighted HOUR setting using the TIME (+\-) button.
4. Press SCROLL to highlight MINUTE.
5. Adjust the MINUTE setting using the TIME (+\-) button.
6. Press SCROLL to highlight DAY.
7. Adjust the current DAY setting, using the TIME (+\-) button, until the correct day is displayed.
8. Press SCROLL to highlight HUMIDITY.
9. Press the red HEAT button to set the heating humidity.
10. Adjust the desired heating humidity using either (+\-) button.
11. Press the blue COOL button to set the cooling humidity.
12. Adjust the desired cooling humidity using either (+\-) button.
13. Press BASIC or close the door to exit.

Adjust Heating Temperature

1. Press the red HEAT button. Heating is confirmed when the red LED adjacent to the red HEAT button is lit.

2 Press the ZONE button until the name of the zone you wish to control appears on the upper left screen. Selecting “ALL ZONES” allows you to select one temperature for the entire home. Press the ZONE button for three seconds to activate the “ALL ZONES” feature.

3 Use the TEMP (+\-) button to select your desired temperature, which will be displayed on the lower right. An override time will be displayed on the lower left. Please note an override time will not appear if programming has been turned off.

4 You can change the override time in 15-minute increments by pressing the TIME (+\-) button until the desired override time is selected.

- OR -

Press the HOLD button to override the schedule indefinitely.

Adjust Cooling Temperature

1 Press the blue COOL button. Cooling is confirmed when the blue LED adjacent to the blue CL button is lit.

2 Press the ZONE button until the name of the zone you wish to control appears on the upper left screen. Selecting “ALL ZONES” allows you to select one temperature for the entire home. Press the ZONE button for three seconds to activate the “ALL ZONES” feature.

3 Use the TEMP (+\-) button to select your desired temperature, which will be displayed on the lower right. An override time will be displayed on the lower left. Please note an override time will not appear if programming has been turned off.

4 You can change the override time to 15-minute increments by pressing the TIME (+\-) button until the desired override time is selected.

- OR -

Press the HOLD button to override the schedule indefinitely.

Quick Programming Instructions

These instructions will guide you through creating one comfort schedule that will repeat every day. For more details on programming, or to create customized schedules for the week, weekend, or each day, refer to PROGRAMMABLE FEATURES, SETUP & OPERATION on pages 17 - 26 of this manual.

One Schedule for All Days

ZONE: FIRST FLOOR

ALLDAYS

PERIOD	TIME	HT	CL
WAKE	6:00A	67	78
DAY	10:OOA	60	80
EVENING	6:45P	70	77
SLEEP	11:15P	70	80

COPY ZONE

WEEKDAYS ▶

1 Flip down the door at the bottom of the control.

2 Press the SCHEDULE button.

3 Press the ZONE button until the name of the zone you wish to program appears on the upper left screen. Selecting “ALL ZONES” allows you to create one schedule for the entire home.

4 Press either the LEFT or RIGHT button repeatedly until “ALLDAYS” is displayed.

5 The WAKE time period will be highlighted. Set the start time for this time period using the TIME (+/-) button.

6 Press the red HEAT button. Heating temperature will begin flashing.

7 Set the heating temperature using the TEMP (+\-) button.

8 Press the blue COOL button. Cooling temperature will begin flashing.

9 Set the cooling temperature using the TEMP (+\-) button.

10 Set the remaining periods, “DAY,” “EVENING,” AND “SLEEP” by using the SCROLL button to select a time period, then follow steps 5 – 9 to select temperature and time settings.

11 Exit the scheduling mode by either closing the door or pressing the SCHEDULE button.

- OR -

12 To create a custom schedule for the remaining zones, press the ZONE button to select the next zone you wish to program. Then, repeat steps 4 - 10 in this section.

Pop-up Messages

Your Infinity™ Control provides important and useful maintenance and service reminders via pop-up messages on the display.

Accessory Maintenance Reminders: An accessory reminder lets you know when it’s time for maintenance of your air filter, humidifier pad, UV lamp or ventilator. When an accessory reminder pop-up message appears, perform the accessory maintenance yourself OR contact your dealer/contractor.
Service Reminders: When a service reminder pop-up message appears, contact your dealer/contractor.

See ACCESSORY MAINTENANCE OR SERVICE POP-UP MESSAGES on pages 14 - 15 in this manual for additional information.

Set Day, Time & Desired Humidity

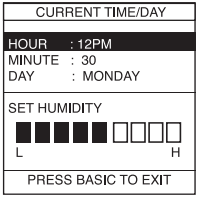
1 Flip down the door at the base of the Infinity™ Control.

2 Press the BASIC button.

3 Adjust the highlighted HOUR setting using the TIME (+\-) button.

4 Press SCROLL to highlight MINUTE.

5 Adjust the MINUTE setting using the TIME (+\-) button.



6 Press SCROLL to highlight DAY.

7 Adjust the current DAY setting, using the TIME (+\-) button, until the correct day is displayed.

8 Press SCROLL to highlight HUMIDITY.

9 Press the red HEAT button to set the heating humidity.

10 Adjust the desired heating humidity using either (+/-) button.

11 Press the blue COOL button to set the cooling humidity.

12 Adjust the desired cooling humidity using either (+/-) button.

13 If a ventilator has been installed, press scroll to highlight FRESH AIR.

14 Adjust your desired FRESH AIR setting using the TEMP (+/-) button. For a description of fresh air settings, see FRESH AIR VENTILATION on page 28 in this manual.

15 Press the BASIC button to exit.

- OR -

If you need to readjust one of your settings, use the SCROLL button to highlight the desired setting, then make your changes.

16 Close the door.

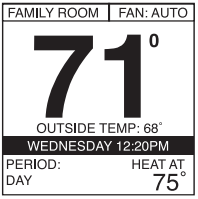
NOTE: You can exit at any time. When exiting, you will be prompted to save changes if you have made any. Select "YES" to save your changes, "NO" to revert back to previous settings.

Turn System On/Off

The OFF button is used to turn the system both on and off.

Heating

To select heating, press the red HEAT button. Heating is confirmed when the red LED adjacent to the red HEAT button is lit. Heating is operating when the red LED is gradually pulsing on and off. (The LEDs can be turned off. For details, see ADVANCED SETUP – LIGHTING on page 30.) The heating temperature will appear in the lower right screen with the text, "HEAT AT."



Auxiliary Heat

Auxiliary heat is staged electric heating included with many heat pump systems. Auxiliary heat is automatically activated by the system when it's too cold for the heat pump to effectively heat your home. Auxiliary heat operation is confirmed when the red LED adjacent to the red HEAT button is lit, gradually pulsing on, then off. (The LEDs can be turned off. For details, see ADVANCED SETUP – LIGHTING on page 30.) The text, "AUXILIARY HEAT ACTIVE" will appear below the room temperature.

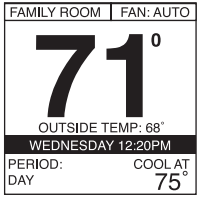
Emergency Heat

Emergency heat is staged electric heating included with many heat pump systems. Emergency heat is activated either when the heat pump has malfunctioned and heating is required, or when the homeowner manually activates emergency heat. Emergency

heat is manually activated by pressing the red HEAT button for four seconds. Emergency heat operation is confirmed when the red LED adjacent to the red HEAT button is lit, pulsing on, then off. The text, “EMERGENCY HEAT” will appear below the room temperature (in place of the text, “ACTUAL TEMPERATURE”). To deactivate emergency heat, press the red HEAT or blue COOL button.

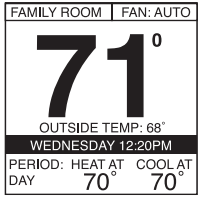
Cooling

To select cooling, press the blue COOL button. Cooling is confirmed when the blue LED adjacent to the blue COOL button is lit. Cooling is operating when the blue LED is gradually pulsing on and off. (The LEDs can be turned off. For details, see ADVANCED SETUP – LIGHTING on page 30.) The programmed cooling temperature will appear in the lower right screen with the text, “COOL AT.”



Auto

The AUTO function allows your Infinity™ Control to automatically switch between heating and cooling operation to maintain your comfort during transitional heating and cooling seasons. To select AUTO operation, press the red HEAT and blue COOL buttons simultaneously. The red and blue LEDs will light up, and both heating and cooling temperatures will be displayed.



Adjust Heating Temperature

The Infinity™ Control allows you to adjust your indoor temperature at any time, overriding your programmed settings.

1. Press the red HEAT button. Heating is confirmed when the red LED adjacent to the red HEAT button is lit.
2. Press the ZONE button until the name of the zone you wish to control appears on the upper left screen. Selecting “ALL ZONES” allows you to select one temperature for the entire home. Press the ZONE button for three seconds to activate the “ALL ZONES” features.
3. Use the TEMP (+\-) button to select your desired temperature, which will be displayed on the lower right. An override time will be displayed on the lower left. Please note an override time will not appear if programming has been turned off.
4. You can change the override time in 15-minute increments by pressing the TIME (+\-) button until the desired override time is selected.

   - OR -

   Press the HOLD button to override the schedule indefinitely.

Adjust Cooling Temperature

1. Press the blue COOL button. Cooling is confirmed when the blue LED adjacent to the blue COOL button is lit.
2. Press the ZONE button until the name of the zone you wish to control appears on the upper left screen. Selecting “ALL ZONES” allows you to select one temperature for the entire home. Press the ZONE button for three seconds to activate the “ALL ZONES” feature.

3 Use the TEMP (+\-) button to select your desired temperature, which will be displayed on the lower right. An override time will be displayed on the lower left. Please note an override time will not appear if programming has been turned off.

4 You can change the override time in 15-minute increments by pressing the TIME (+\-) button until the desired override time is selected.

- OR -

Press the HOLD button to override the schedule indefinitely.

Adjust Fan Speed

The Infinity™ Control offers the benefit of customized fan speeds during continuous fan operation. Fan speeds can be individually selected for each zone as well.

1 Press the ZONE button until the name of the zone you wish to control appears on the upper left screen. Selecting "ALL ZONES" allows you to change fan speed for the entire home. Press the ZONE button for three seconds to activate the "ALL ZONES" feature.

2 Press the FAN button to adjust the fan speed between LOW, MEDIUM, HIGH or AUTO airflow. OFF is also a selection when the system has been turned off at the Infinity Control. Your fan speed selection will only apply to the displayed zone.

Hold Current Temperature

Press the HOLD button to override the program and maintain the current indoor temperature set point(s) indefinitely.

To revert back to your programmed comfort schedule, press the HOLD button again.

NOTE: HOLD is not available if programming has been turned off. Also, if you switch from HOLD to either VACATION or UNOCCUPIED, the system will revert back to HOLD when those functions are cancelled.

Unoccupied Function & Settings

UNOCCUPIED allows you to instantly set the system for energy saving operation.

1. To select UNOCCUPIED operation, press the HOLD button for three seconds. UNOCCUPIED text will be displayed.
2. To take your system out of UNOCCUPIED mode, press the HOLD button for two seconds.

Details for selecting UNOCCUPIED temperature, humidity and fan setting defaults are provided in the ADVANCED SETUP section of this manual, page 34.

Vacation Function & Settings

VACATION operation conserves energy while you are away and ensures a comfortable home upon your return.

1. Flip down the door near the base of the Infinity™ Control.
2. Press the VACATION button.
3. Use the TEMP (+\-) button to select the desired temperature for VACATION operation.
4. Use the TIME (+\-) button to select the number of days for VACATION operation as seen in lower left corner of screen.
5. Press the VACATION button to start VACATION operation.
6. You will be prompted to start VACATION operation. Press the RIGHT button for YES or press the LEFT button for NO.

Note: You have up to 15 minutes to make changes to the temperature or duration after VACATION has been activated. Any changes made after the 15 minute period will be treated as a temporary override to vacation settings.

7 The system will automatically revert back to its normal operation after the selected number of VACATION days has expired.

- OR -

To cancel VACATION operation at any time simply press the VACATION button. You will be prompted to cancel VACATION operation. Press the RIGHT button for YES or press the LEFT button for NO.

Details for selecting default temperature, humidity, and fan settings for VACATION are provided in the ADVANCED SETUP section of this manual, page 33.

Check System Status

The system status function allows you to view detailed information about the system's status.

1 Press and hold the RIGHT button for two seconds to check:

- Equipment status
- Accessory status
- Current humidity
- Target humidity

2 Press the RIGHT button again (from the STATUS screen) for zoning status.

3 Press the RIGHT button again to return to the main screen.

- OR -

The status screen will automatically revert back the main screen after 60 seconds.

Accessory Status

The accessory status screen allows you to check the approximate usage of your mechanical or electronic air cleaner, humidifier pad, and UV lamps before routine maintenance is required. The accessory status screen also shows your servicing dealer's name and phone number. You may also reset the usage indicators for your accessories from this screen.

1. Press and hold the LEFT button for two seconds to show the status of:
   - Air filter (FILTER)
   - Humidifier pad (HUM. PAD)
   - UV Lamps
2. Press the RIGHT button to exit.

Resetting Accessory Usage Indicator

After an air filter, humidifier pad, or UV Lamp has been replaced or cleaned, you may need to manually reset the percent used indicator for the respective accessory.

1. Press and hold the LEFT button to access the ACCESSORY STATUS screen.
2. Use the SCROLL button to highlight the accessory you wish to reset.
3. Press the RIGHT button to reset the selected accessory.
4. Press the LEFT button to exit.

- OR -

5. Continue to reset accessory usage indicators as desired.

Accessory Maintenance Pop-Up Messages

Accessory Pop-Up messages remind you when it's time for accessory maintenance. There can be up to five messages, depending on the accessories installed with your system:

- Replace UV Lamps
- Change Humidifier Pad
- Clean Air Filter - EAC
- Clean or Replace Air Filter
- Clean Ventilator Filter

REMIND LATER: Pressing the LEFT button to select

REMIND LATER will cause the accessory status message to reappear in seven days. The message will not reappear at the end of the seven-day period if the usage indicator has been reset.

DISMISS NOTICE: Press the RIGHT button to DISMISS NOTICE and reset the accessory maintenance reminder. The reminder will reappear at the next maintenance cycle.

The maintenance cycle for the humidifier, UV lamp and EAC is based on time and may be set by your installer. The defaults are as follows:

EAC:	3 months of operation
Humidifier:	12 months of operation
UV Lamp:	12 months of operation
Ventilator Filter:	3 months of operation

The maintenance cycle for MEDIA or EAC + MEDIA is based on actual airflow restriction which is automatically detected by the system.

Service Pop-Up Messages

Service Pop-Up messages remind you when it's time for routine equipment maintenance or if the system has malfunctioned. There can be up to three messages, depending on the level of service required:

- Routine Maintenance Recommended
- System Malfunction
- Critical Malfunction

ROUTINE MAINTENANCE RECOMMENDED: This pop-up appears when seasonal maintenance should be performed to maintain optimum performance of your system. Press the RIGHT button to DISMISS NOTICE and reset the maintenance reminder. The reminder will not reappear until the routine maintenance timer has expired (default 12 months). The reminder will not appear if it has been turned off by the installer.

SYSTEM MALFUNCTION: This pop-up appears when the system has detected an equipment failure. Press the RIGHT button to DISMISS NOTICE. The system may continue to operate, however total system shutdown could occur at any time. It is highly recommended that you contact your dealer immediately. The pop-up will reappear in 24 hours if the equipment failure has not been corrected.

Keyboard Lock-Out

You can lock the Infinity™ Control buttons to help avoid inadvertent changes to your settings.

Keyboard lock-out can ONLY be activated from the main screen. To do so, simultaneously press the ZONE and FAN buttons for two seconds. Keyboard lock-out will be indicated by a graphic lock on the screen.

To unlock the control, simultaneously press the ZONE and FAN buttons for two seconds.

Backlighting

The Infinity™ backlight feature makes the screen easy to read, even at night or in low light conditions. High-intensity backlighting is activated when a button is pushed or the door at the base of the unit is opened. The backlighting will automatically turn off or revert to a lower intensity constant backlighting after 10 seconds of no button activity or 30 seconds after the door is opened. Backlighting will remain on throughout Programming, Basic Setup, and Advanced Setup. Constant backlighting can be turned off or adjusted in ADVANCED SETUP, page 30 in this manual.

Determining Your Comfort Schedule

Before you program the Infinity™ Control, take a moment to plan your comfort schedule. Each day of the week is divided into four time periods:

- WAKE
- DAY
- EVENING
- SLEEP

You can select a different heating and cooling temperature for each zone and each time period, based on your daily or weekly schedule. Using the chart provided, enter a start time, heating temperature and cooling temperature. Then you can use this chart when you begin programming. You may want to create a similar chart for each zone in your home.

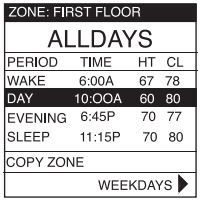
	WAKE		DAY		EVENING		SLEEP	
	Time / HT° / CL°		Time / HT° / CL°		Time / HT° / CL°		Time / HT° / CL°	
Monday	/	/	/	/	/	/	/	/
Tuesday	/	/	/	/	/	/	/	/
Wednesday	/	/	/	/	/	/	/	/
Thursday	/	/	/	/	/	/	/	/
Friday	/	/	/	/	/	/	/	/
Saturday	/	/	/	/	/	/	/	/
Sunday	/	/	/	/	/	/	/	/

Programming Your Comfort Schedule

The Infinity™ Control allows you maximum flexibility in creating a comfort schedule that best matches your lifestyle. You can choose to keep it simple with the same schedule every day…you can create one schedule for the work week and one for the weekend…or, you can make every day different. Instructions for programming this control are detailed on the pages that follow.

NOTE: You can quit the programming process at any time by simply pressing the SCHEDULE BUTTON or closing the door at the bottom of the control. You will be prompted to either save your changes or to ignore the changes using the RIGHT or LEFT buttons.

One Schedule for All Days



You can create one schedule for all seven days of the week using the ALLDAYS screen.

1. Flip down the door at the bottom of the control.
2. Press the SCHEDULE button to access the schedule screen.

3 Press the ZONE button until the name of the zone you wish to program appears on the upper left screen. Selecting “ALL ZONES” allows you to create one schedule for the entire home.

4 If the text “ALLDAYS” appears at the top of the screen, you are ready to start.

- OR -

Press either the LEFT or RIGHT button repeatedly as necessary until “ALLDAYS” is displayed. The WAKE time period will be highlighted.

5 Using the TIME (+\-) button, set the start time for this time period.

6 Press the red HEAT button. Heating temperature will begin flashing.

7 Set the heating temperature using the TEMP (+\-) button.

8 Press the blue COOL button. Cooling temperature will begin flashing.

9 Set the cooling temperature using the TEMP (+\-) button.

10 Use the SCROLL button to highlight the next period, then repeat steps 5 – 9 to select settings for DAY, EVENING and SLEEP.

11 Exit the scheduling mode by either closing the door or pressing the SCHEDULE button.

- OR -

12 To create a custom schedule for the remaining zones, press the ZONE button to select the next zone you wish to program. Then, repeat steps 4 - 10 in this section.

13 To create an identical schedule for another zone, skip ahead to the Copying a Zone Schedule section in this manual, page 24.

NOTE: A default set of heating and cooling setback temperatures, called UNOCCUPIED settings, may be activated by pressing the HOLD button. "UNOCC" will appear in place of "PERIOD" when the unoccupied settings have been activated. UNOCCUPIED setting defaults can be changed in ADVANCED SETUP, page 34.

Weekdays Schedule

You can program one schedule for Monday through Friday using the WEEKDAYS screen.

1 Flip down the door at the bottom of the control.
2 Press the SCHEDULE button to access the schedule screen.
3 Select the zone you want to program by pressing the ZONE button until the correct zone name appears on the upper left screen. Selecting "ALL ZONES" allows you to create one WEEKDAYS schedule for the entire home.
4 If the word "WEEKDAYS" appears at the top of the screen, you are ready to start. If not, press either the LEFT or RIGHT button as necessary until "WEEKDAYS" is displayed. The WAKE time period will be highlighted.
5 Using the TIME (+\-) button, set the start time for this time period.
6 Press the red HEAT button. Heating temperature will begin flashing.
7 Set the heating temperature using the TEMP (+\-) button.
8 Press the blue COOL button. Cooling temperature will begin flashing.
9 Set the cooling temperature using the TEMP (+\-) button.

10 Use the SCROLL button to highlight the next period, then repeat steps 5 – 9 to select settings for DAY, EVENING and SLEEP.

11 Exit by pressing the SCHEDULE button or closing the door.

- OR -

12 To create a WEEKDAYS schedule for the remaining zones, press the ZONE button to select the next zone you wish to program. Then, repeat steps 4 – 10 in this section.

- OR –

13 Begin entering your WEEKEND schedule by pressing the RIGHT button and following the Weekend Schedule instructions (the next section in this manual).

Weekend Schedule

You can program an identical schedule for Saturday and Sunday using the WEEKEND screen.

1 Flip down the door at the bottom of the control.

2 Press the SCHEDULE button to access the schedule screen.

3 Select the zone you want to program by pressing the ZONE button until the correct zone name appears on the upper left screen. Selecting “ALL ZONES” allows you to create one WEEK-END schedule for the entire home.

4 If the word “WEEKEND” appears at the top of the screen, you are ready to start. If not, press either the LEFT or RIGHT button as necessary until WEEKEND is displayed. The WAKE time period will be highlighted.

5 Using the TIME (+\-) button, set the start time for this period.

6 Press the red HEAT button. Heating temperature will begin flashing.

7 Set the heating temperature using the TEMP (+\-) button.

8 Press the blue COOL button. Cooling temperature will begin flashing.

9 Set the cooling temperature using the TEMP (+\-) button.

10 Using the SCROLL button to highlight the next period, repeat steps 5 – 9 to select DAY, EVENING and SLEEP.

11 Exit by pressing the SCHEDULE button or closing the door.

- OR -

12 To create a WEEKEND schedule for the remaining zones, press the ZONE button to select the next zone you wish to program. Then, repeat steps 4 – 10 in this section.

- OR -

13 Begin entering a separate schedule for individual days by pressing the RIGHT button and following the instructions in the Daily Schedule (the next section in this manual).

Daily Schedule

You can program a different schedule for each day of the week by using the SUNDAY, MONDAY, TUESDAY, WEDNESDAY, THURSDAY, FRIDAY and SATURDAY screens.

1 Flip down the door at the bottom of the control.

2 Press the SCHEDULE button to access the schedule screen.

3 Select the zone you want to program by pressing the ZONE button until the correct zone name appears on the upper left screen. Selecting “ALL ZONES” allows you to simultaneously program one day across all zones.

4 If the word “SUNDAY,” “MONDAY,” “TUESDAY,” “WEDNESDAY,” “THURSDAY,” “FRIDAY,” or “SATURDAY” appears at the top of the screen, you are ready to start..

5 If not, press either the LEFT or RIGHT button repeatedly as necessary until the day of the week you want to select is displayed. The WAKE period will be highlighted.

6 Using the TIME (+\-) button, set the start time for this time period.

7 Press the red HEAT button. Heating temperature will begin flashing.

8 Set the heating temperature using the TEMP (+\-) button.

9 Press the blue COOL button. Cooling temperature will begin flashing.

10 Set the cooling temperature using the TEMP (+\-) button.

11 Using the SCROLL button, highlight the next time period, and repeat steps 5 – 9 to select settings for DAY, EVENING and SLEEP.

12 Repeat steps 5 – 11 in this section for each day you would like to schedule or use the COPY DAY function.

13 Exit by pressing the SCHEDULE button or closing the door.

Copy Day

1 To COPY a daily schedule to another day, use the SCROLL button to highlight the COPY DAY function.

2 You will be prompted to select YES to continue or NO to return to the schedule screen. Press the RIGHT button to access the COPY DAY screen.

3 Use the SCROLL button to highlight the first day to which you wish to copy.

4 Use the TEMP (+\-) button to select YES to copy, or NO to not copy.

5 Repeat steps 2 & 3 until YES appears for each day to which you would like to copy.

6 Press the RIGHT button to copy or the LEFT button to cancel.

7 A confirmation screen will list the days you have selected. If the list is correct, press the RIGHT button to confirm and return back to the SCHEDULE function. If you would like to make a change, press the LEFT button to return to the COPY DAY screen.

NOTE: You can quit the programming process at any time by simply pressing the SCHEDULE BUTTON or closing the door at the bottom of the control.

Copying a Zone Schedule

You can copy an ALLDAYS schedule from one zone to another. Individual day, WEEKDAYS, and WEEKEND schedules cannot be copied to and from zones.

1 Press the SCHEDULE button to access the schedule screen.

2 Press the ZONE button until the name of the zone you wish to copy from appears on the upper left screen.

3 If the text "ALLDAYS" appears at the top of the screen, you are ready to start.

– OR –

Press the LEFT or RIGHT button as needed until the text "ALL-DAYS" is highlighted.

4 From the ALLDAYS screen, scroll down to the COPY ZONES prompt. Press the RIGHT button.

5 You will be prompted to select YES to continue or NO to return to the schedule screen. Press the RIGHT button to select YES.

6 Use the SCROLL button to highlight the first zone to which you would like to copy.

7 Use the TEMP (+\-) button to select YES to copy, or NO to not copy.

8 Repeat steps 6 & 7 until YES appears with each zone to which you would like to copy.

9 Press the RIGHT button to copy or the LEFT button to cancel.

10 A confirmation screen will list the zones to which you would like to copy. If the list is correct, press the RIGHT button to confirm and return back to the SCHEDULE screen. If you would like to make a change, press the LEFT button to return to the COPY ZONE screen.

11 Exit the scheduling mode by either closing the door or pressing the SCHEDULE button.

Programming Fan Speed

You can select a different fan speed for each time period of your comfort schedule. Scheduling the fan speed follows the same basic steps as programming time and temperature settings. You can create one fan schedule for ALLDAYS, WEEKDAYS, WEEKENDS, or a different schedule for each day.

Programmable fan is automatically defaulted to off. Your dealer will need to turn programmable fan on in the dealer thermostat setup screen.

1 Flip down the door at the bottom of the control.

2 Press the SCHEDULE button to access the schedule screen.

3 Press the ZONE button until the name of the zone you wish to program appears on the upper left screen. Selecting “ALL ZONES” allows you to create one schedule for the entire home.

4 Press the FAN button to access the Fan Speed programming screen.

5 Press the LEFT or RIGHT button to select the days you wish to program – ALLDAYS, WEEKDAYS, WEEKEND, or choose a specific day (MON, TUES, WED, etc.).

6 Using the TIME (+\-) button, select your desired fan speed – LOW, MED, HIGH or AUTO.

7 Use the SCROLL button to highlight the next period, then repeat steps 5 and 6 to select settings for DAY, EVENING and SLEEP.

8 Press the FAN button to return to the standard scheduling screen.

- OR -

9 Exit the scheduling mode by either closing the door or pressing the SCHEDULE button.

- OR -

10 To create a customized fan speed schedule for the remaining zones, press the ZONE button to select the next zone you wish to program. Then, repeat steps 5 - 7.

Each zone in your home has a separate sensor to help monitor that zone's conditions. The Infinity™ Control is your main interface for setting and changing each zone's comfort schedule.

Checking Zone Status

The zone status may be observed from optional Smart Sensors or the Infinity Control. To check zone status from the Infinity Control, press the ZONE button on the upper left side of the control until the zone you want to check appears.

Naming Your Zones

Each zone can be given a distinct name by the homeowner. Details on customizing zone names can be found in the ADVANCED SETUP section, page 35.

Programming Each Zone

Zones can be programmed the same way or individually. Details for programming zones are outlined in the PROGRAMMABLE FEATURES, SETUP & OPERATION section of this manual, pages 17-26.

Fresh Air Ventilation

A fresh air ventilator is used to exchange stale indoor air for fresh outdoor air. Fresh air ventilation can be customized with up to four settings. The setting you choose for heating operation can be different from the setting you choose for cooling. The indoor fan will operate while the ventilator operates.

HIGH: The fresh air ventilator will operate at high. This setting is recommended to help quickly remove unwanted odors.

LOW: The fresh air ventilator will operate at low continuously. This setting is recommended for continuous operation in mild climates with low humidity.

AUTO: The system will automatically vary the fresh air ventilator speed to accommodate outdoor seasonal conditions and desired indoor humidity and temperature settings. This setting is recommended for cold, northern climates.

DEHUM: The system will operate the fresh air ventilator only if dehumidification is necessary. This setting is only available in heating.

Refer to the BASIC SETUP section of this manual to select your fresh air setting. Please note that a fresh air setting will only appear if a ventilator has been installed.

Accessory Maintenance Reminders

The Infinity™ Control can remind you when it's time to change the filter, humidifier pad, UV lamps, and ventilator pre-filter with a pop-up message. The REMINDERS screen allows you to individually turn on or off your accessory maintenance reminders depending on which accessories are installed.

1. Flip down the door near the base of the Infinity Control.
2. Press the ADVANCED setup button.
3. Use the SCROLL button to select the accessory service reminder you would like to turn ON or OFF.
4. Use the TIME (+\-) button to turn the reminder ON or OFF. A pop-up reminder will only appear when it is time for maintenance if ON is selected.
5. For a detailed description of accessory maintenance reminders, please see ACCESSORY POP-UP MESSAGES, page 14 in this manual.
6. Press the LEFT or RIGHT side buttons to select another ADVANCED feature.

- OR -

7. To exit, push the ADVANCED button or simply close the door. You may exit at any stage during this setup.

NOTE: You can exit Advanced Setup at any time. When exiting, you will be prompted to save changes if you have made any. Select "YES" to save your changes, "NO" to revert back to previous settings.

Lighting

You can adjust the backlighting contrast, turn off backlighting altogether, or turn off the HEAT and COOL status lights (LED)s.

1. Flip down the door near the base of the Infinity™ Control.
2. Press the ADVANCED setup button.
3. Press the RIGHT button once to select the LIGHTING screen (2 of 7).
4. With the BACKLIGHT text highlighted, use the TIME (+\-) button to turn the screen's constant, low intensity backlighting ON or OFF.
5. Use the SCROLL button to highlight HEAT/COOL LED INDICATORS text.
6. Use the TIME (+\-) button to turn the HEAT and COOL LEDs on or off.
7. Use the SCROLL button to highlight CONTRAST.
8. Use the TIME (+\-) button to increase or decrease the screen's contrast level.
9. Press the LEFT or RIGHT side buttons to select another ADVANCED feature.

- OR -

10. To exit, push the ADVANCED button or simply close the door. You may exit at any stage during this setup.

    NOTE: You can exit Advance Setup at any time. When exiting, you will be prompted to save changes if you have made any. Select "YES" to save your changes, "NO" to revert back to previous settings.

Heating Humidity

If you have a whole house humidifier, heat recovery ventilator (HRV) or energy recovery ventilator (ERV) as a part of your system, you can select your desired heating humidity setting and change how your system controls the humidifier or fresh air ventilation.

1. Flip down the door near the base of the Infinity™ Control.
2. Press the ADVANCED setup button.
3. Press the RIGHT button twice to view the HEATING HUMIDITY screen (3 of 7).
4. Use the TEMP (+\-) button to select your desired humidity setting.
5. To exit, press ADVANCED or simply close the door.

- OR -

6. If you want to change how your system controls the heating humidity, scroll to HUMIDITY. You will have three options to choose from:
   a. OFF – The system will disable humidification or ventilator dehumidification.
   b. MANUAL – The system will control the relative humidity in your home based on your desired set point.
   c. AUTO – The system will control the relative humidity in your home based on the setting you have selected and outside air temperature. The humidity target is lowered automatically as the outdoor temperature decreases.
7. Use the TEMP (+\-) button to make your selection.
8. If you want to change how your system controls fresh air ventilation scroll to FRESH AIR. For a description of settings see FRESH AIR VENTILATION, page 28 in this manual.
9. Use the TEMP (+\-) button to select AUTO, HIGH, LOW OR DEHUM.
10. To exit, press ADVANCED or simply close the door.
    NOTE: You can exit Advanced Setup at any time. When exiting, you will be prompted to save changes if you have made any. Select "YES" to save your changes, "NO" to revert back to previous settings.

Cooling Humidity

1 Flip down the door near the base of the Infinity™ Control.
2 Press the ADVANCED setup button.
3 Press the LEFT button three times to view the COOLING HUMIDITY screen (4 of 7).
4 Use the TEMP (+\-) button to set your desired humidity level.
5 To exit, press ADVANCED or simply close the door.

- OR -

6 If you want to change the way cooling dehumidification is controlled, scroll to DEHUMIDIFY. You will have two options.
OFF – The system will not activate the cooling equipment to dehumidify if the cooling temperature has been satisfied.
ON – The system dehumidifies by activating the cooling equipment – even after the cooling temperature has been satisfied. The system will not cool to dehumidify below 70° F in order to protect equipment.
Your air conditioning system will provide excellent humidification control with DEHUMIDIFY set to either ON or OFF. However, you will receive better humidification control with the ON setting.
7 Use the TEMP (+\-) button to make your selection.
8 To exit, press ADVANCED or simply close the door.

NOTE: You can exit Advanced Setup at any time. When exiting, you will be prompted to save changes if you have made any. Select "YES" to save your changes, "NO" to revert back to previous settings.

Vacation Settings

You can pre-select temperature, humidity and fan settings for your VACATION function. These settings will take effect when you activate VACATION operation as outlined on pages 11-12.

1. Flip down the door near the base of the Infinity™ Control.
2. Press the ADVANCED setup button.
3. Press the RIGHT button four times to select the VACATION screen (5 of 7)..
4. Use the TEMP (+\-) button to select the highest temperature the system will allow during VACATION operation.
5. Press down on the SCROLL button to select MIN TEMPERATURE.
6. Use the TEMP (+\-) button to select the lowest temperature the system will allow during VACATION operation.
7. Press down on the SCROLL button to select MAX HUMIDITY.
8. Use the TEMP (+\-) button to select the highest humidity the system will allow during VACATION operation.
9. Press down on the SCROLL button to select MIN HUMIDITY.
10. Use the TEMP (+\-) button to select the lowest humidity the system will allow during VACATION operation.
11. Press down on the SCROLL button to select FAN.
12. Use the TEMP (+\-) button to select AUTO, LOW, MED or HIGH fan operation.
13. To exit, press ADVANCED or simply close the door.

    NOTE: You can exit at any time. When exiting, you will be prompted to save changes if you have made any. Select "YES" to save your changes, "NO" to revert back to previous settings.

Unoccupied Settings

UNOCCUPIED operation allows you to select maximum and minimum temperatures, humidity levels, fan speed and ventilator speed for times when your home will be unoccupied for a designated period of time. These settings will apply to all zones when activated.

1. Flip down the door near the base of the Infinity™ Control.
2. Press the ADVANCED setup button to view 1st ADVANCED setup display (1 of 7).
3. Press the LEFT button twice to select the UNOCCUPIED display (6 of 7).
4. Use the TEMP (+\-) button to set your MAX TEMPERATURE.
5. Press DOWN on the SCROLL button to highlight MIN TEMPERATURE.
6. Use the TEMP (+\-) button to select MIN TEMPERATURE.
7. Press DOWN on the SCROLL button to highlight MAX HUMIDITY.
8. Use the TEMP (+\-) button to set MAX HUMIDITY.
9. Press DOWN on the SCROLL button to highlight MIN HUMIDITY.
10. Use the TEMP (+\-) button to select MIN HUMIDITY.
11. Press DOWN on the SCROLL button to highlight FAN mode. Use the TEMP (+\-) button to select FAN mode: LOW, MED, HIGH or AUTO.
12. Press DOWN on the SCROLL button to highlight VENTILATOR mode. Use the TEMP (+\-) button to select VENTILATOR mode: LOW, MED, HIGH OR AUTO.
13. To exit, press ADVANCED or simply close the door.

    NOTE: You can exit at any time. When exiting, you will be prompted to save changes if you have made any. Select "YES"

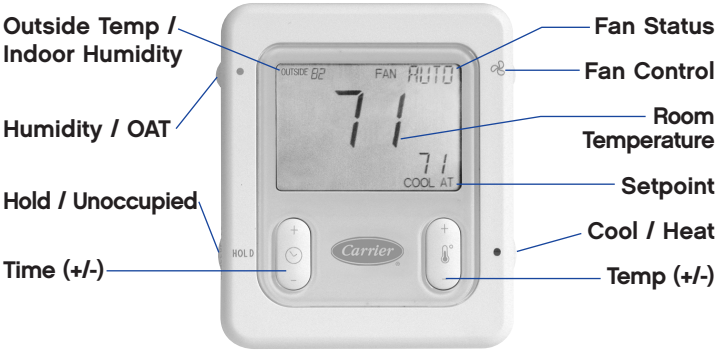
to save your changes, "NO" to revert back to previous settings. See "Normal Operation" section of this manual for instructions on how to select UNOCCUPIED operation.

Zone Names

You can name each zone in your home for easy identification. The zone names you enter will replace the factory default names. The zone names will appear at the Infinity™ Control and optional Smart Sensor(s).

1. Flip down the door near the base of the Infinity Control.
2. Press the ADVANCED setup button to view 1st ADVANCED setup display (1 of 7).
3. Press the LEFT button to select the ZONE NAMES display (7 of 7).
4. The first zone name will be highlighted. You can change the zone name, or select a different zone by using the SCROLL button to highlight the name you wish to change.
5. Use the TEMP (+\-) button to highlight the letter you wish to change.
6. Use the TIME (+\-) button to select the letter.
7. Repeat steps 5 and 6 as needed to complete the zone's name.
8. Continue until all zones have been named to your satisfaction.
9. To exit, press ADVANCED or simply close the door.

   NOTE: You can exit at any time. When exiting, you will be prompted to save changes if you have made any. Select "YES" to save your changes, "NO" to revert back to previous settings.



Smart Sensor Operation

The Infinity™ Smart Sensor allows control and changing of zone temperature setpoints. Continuous FAN selection is available; AUTO, LOW, MED, HIGH. Other features include viewing Outdoor Temperature and Indoor Relative Humidity. Infinity Smart Sensor Functions also include HOLD and UNOCCUPIED settings.

Changing Desired Temperature

- The current zone temperature will be displayed in the LCD.
- Press COOL / HEAT button to change between “COOL AT” and “HEAT AT” setpoints.
- Press Temp (+/-) button to raise or lower setpoints.
- The default time for temporarily overriding the temperature schedule is 2:00 HRS as indicated by the text in the lower left screen.
- Temporary override time can be changed in 15-minute increments by pressing the TIME (+/-) button to increase or decrease the override timer.

NOTE: Override will not appear if programming has been turned off.

Hold / Unoccupied

- Pressing HOLD / UNOCCUPIED button will display HOLD allowing setpoints to remain permanent and override any existing program schedules. Pressing HOLD / UNOCCUPIED button again will release HOLD and return to previous program schedules.

- Pressing HOLD / UNOCCUPIED button for approximately 3 seconds will display UNOCCUPIED status on lower left screen. Pressing button again for approximately 3 seconds will release UNOCCUPIED status and return to previous mode.

Continuous Fan Adjustment

Pressing the FAN button will scroll through the following: AUTO, LOW, MED, HIGH.

- When AUTO is selected, zone airflow is available only when a heating or cooling demand exists within the zone.
- When LOW, MED, or HIGH is selected, zone airflow will be continuous without a heating or cooling demand.

Outdoor Temperature and Indoor Relative Humidity

The current outside temperature is displayed in upper left corner of the LCD.

- Press and release the HUMIDITY / OAT button to view % Indoor Relative Humidity; value is measured at Zone Control (User Interface.)
- Outdoor temperature will return after five seconds or after the button is pressed again.

Keypad Lock

The Smart Sensor can be locked if the FAN and HUMIDITY / OAT buttons are pressed simultaneously for approximately 3 seconds. A padlock icon will appear and all push button functions will be ignored. Pressing the FAN and HUMIDITY / OAT buttons again for 3 seconds will unlock the Smart Sensor.

Vacation

- When the VACATION mode is activated from Zone Control (User Interface), the Smart Sensor will display the “VACATION” icon in the lower left area of the LCD. If the TEMP (+/-) button is pressed, the override timer will display “2-hours.” This can either be increased or decreased with the TIME (+/-) button. When the override timer expires, the Vacation setpoints return.

Accessory Status...pg. 13

This function allows you to check the approximate usage of an air filter, humidifier pad, UV lamp(s) or ventilator pre-filter.

All Days Schedule...pg. 4-5

One comfort schedule that stays the same every day of the week.

Auxiliary Heat...pg. 7

A supplemental heating source often found with heat pump systems that is used to maintain comfort when outdoor temperatures fall significantly.

Comfort Schedule...pg. 17

A personalized list of temperature and fan settings organized according to time of day. The Infinity™ Control allows up to four different periods per day with the flexibility to have a different schedule every day of the week.

Emergency Heat...pg. 7-8

Typically associated with heat pumps, it is a secondary source of heating used when outdoor temperatures are too cold to allow the heat pump to operate effectively, or when the heat pump has malfunctioned.

Hold...pg. 10

This function allows you to override the programmed temperature settings indefinitely.

Unoccupied…pg. 34

Unoccupied settings are maximum and minimum temperature and humidity levels you wish your home to remain within while it is unoccupied. When you select the Unoccupied Function, your system will automatically stay within the selected settings.

Weekdays Schedule…pg. 20-21

One comfort schedule that is repeated every weekday, Monday through Friday.

Weekend Schedule…pg. 21-22

One comfort schedule that is repeated on Saturday and Sunday.

Turn to the Experts.℠

www.carrier.com **1-800-CARRIER**

A member of the United Technologies Corporation family.
Stock Symbol UTX.

© Carrier Corporation 2006

OMUIZ01-2

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

Printed in China