

**Braeburn®**

# User Manual

**BlueLink**   
smart connect

## Universal Programmable Smart Wi-Fi Thermostats

**7300** For 1 Heat / 1 Cool Systems

**7305** For Systems Up to 3 Heat / 2 Cool

***See Wi-Fi Setup Guide for Wi-Fi Setup Instructions  
Read all instructions before proceeding***

**Store this manual for future reference**

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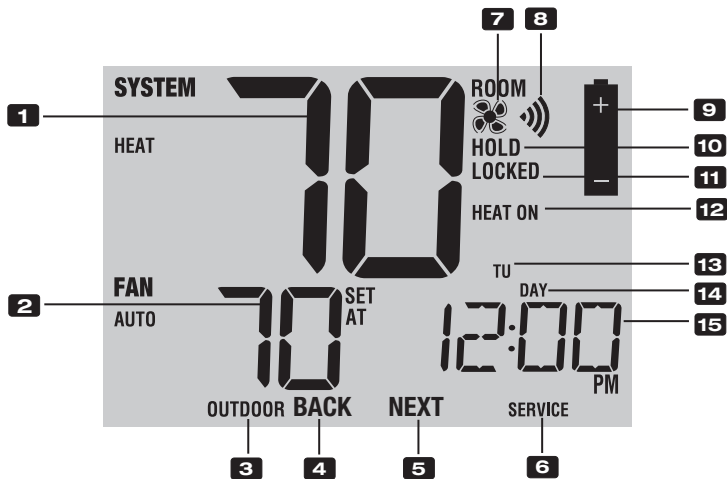
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**Congratulations! You are in control of one of the easiest-to-use thermostats on the market today. This thermostat has been designed to provide you with years of reliable performance and comfort control.**

## **Features**

- Optional Wi-Fi connectivity – control and monitor thermostat from a smartphone, tablet or computer.
- 7 day, 5-2 day or non-programmable
- Auto or manual changeover
- Residential or commercial modes
- Large 5 sq. in. bright blue backlit display is easy to read.
- Extra large display characters make viewing settings even easier.
- User selectable service monitors remind you of required system maintenance.
- Precise temperature accuracy keeps you in control of your comfort.
- Convenient programmable and circulating fan modes.
- Optional indoor or outdoor remote sensing.

# 1 About Your Thermostat



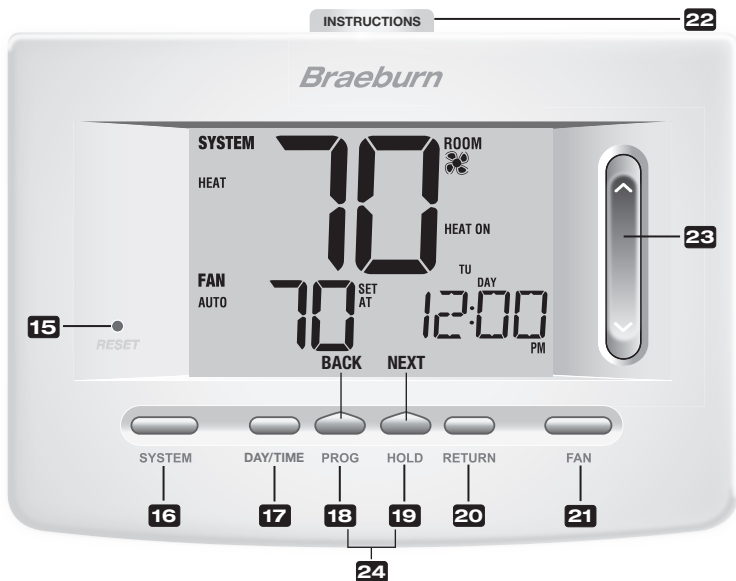
## Thermostat Display

- 1 Room Temperature** ..... Displays the current room temperature
- 2 Set Temperature** ..... Displays the current set point temperature
- 3 Outdoor Temperature Indicator**... Displays along with the outdoor temperature reading\*\*
- 4 BACK Indicator\*** ..... BACK button is active
- 5 NEXT Indicator\*** ..... NEXT button is active
- 6 Service Indicators** ..... Displays various service/maintenance information
- 7 Fan Indicator** ..... Indicates when the system fan is running
- 8 Wi-Fi Indicator** ..... Indicates when connected to Wi-Fi (flashes when connection has been lost)
- 9 Low Battery Indicator** ..... Indicates when the batteries need to be replaced
- 10 Hold Mode Indicator** ..... Indicates if the thermostat is in HOLD mode
- 11 Lock Mode Indicator** ..... Indicates if the thermostat is locked
- 12 System Status Indicator** ..... Displays information about the status of the system
- 13 Day of the Week** ..... Displays the current day of the week
- 14 Program Event Indicator**..... Displays the program event
- 15 Time of Day** ..... Displays the current time of day

\* **BACK** and **NEXT** are secondary functions of the **PROG** and **HOLD** buttons. When in programming or configuration modes, **BACK** and **NEXT** appear in the display screen indicating that the **PROG** and **HOLD** buttons now function as **BACK** and **NEXT**.

\*\* Also see #24 on page 7.

# 1 About Your Thermostat



## Thermostat

- 15** **Reset Button** ..... Resets current time, program and user settings
- 16** **SYSTEM Button** ..... Selects the system you want to control
- 17** **DAY/TIME Button**..... Sets the current time and day of the week
- 18** **PROG Button**..... Selects programming mode or press for 3 seconds to select SpeedSet®
- 18** **BACK Button\*** ..... Secondary function of the PROG button - moves back a setting
- 19** **HOLD Button**..... Enters/Exits the HOLD mode (program bypass)
- 19** **NEXT Button\*** ..... Secondary function of the HOLD button - moves to next setting
- 20** **RETURN Button** ..... Returns to normal mode from program or setting modes
- 21** **FAN Button** ..... Selects the system fan mode
- 22** **Quick Reference Instructions**..... Stored in slot located at top of thermostat
- 23** **SpeedBar®** ..... Increases or decreases settings (time, temperature, etc.)
- 24** **Outdoor Temperature**..... If a Braeburn® outdoor sensor was connected you can view the outdoor temperature by pressing the **PROG** and **HOLD** buttons at the same time.
- Battery Compartment**..... Located in the back of thermostat

\* **BACK** and **NEXT** are secondary functions of the **PROG** and **HOLD** buttons. When in programming or configuration modes, **BACK** and **NEXT** appear in the display, indicating that the **PROG** and **HOLD** buttons now function as **BACK** and **NEXT**.

## 2 Setting User Options

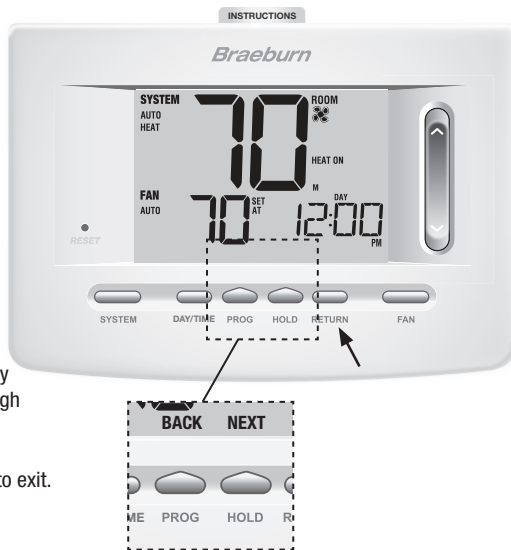
### Advanced User Options

User options allow you to customize some of your thermostat's features. Most users will not need to make any changes to the settings in this section.

To access the User Options menu, press and hold the **RETURN** button for approximately 3 seconds until the screen changes and displays the first User Option.

Press the SpeedBar® **▲** or **▼** to change the setting for the displayed User Option. After you have changed your desired setting, press **NEXT** (HOLD) to advance to the next User Option. You may also press **BACK** (PROG) to move backwards through the User Options.

When your changes are complete, press **RETURN** to exit.





## Table of User Options

**NOTE:** Some user options may not be available, depending on how your thermostat was configured in the *Installer Settings* (see *Installer Guide*). A detailed description of each User Option follows this table.

No.	User Options	Factory Default	Setting Options	Comments	Pg.
1	Filter Service Monitor	OFF	OFF	Disables filter service monitor feature.	10
			30, 60, 90, 120, 180, 365	Selects a number of days that must pass before the thermostat will flash a Service Filter reminder in the display screen.	
2	UV Light Service Monitor	OFF	OFF	Disables UV service monitor feature.	10
			180, 365	Selects a number of days before the thermostat will flash a Service UV reminder in the display screen.	
3	Humidifier Pad Service Monitor	OFF	OFF	Disables pad service monitor feature.	10
			180, 365	Selects a number of days before the thermostat will flash a Service Humid reminder in the display screen.	
4	Extended Hold Period	LONG	LONG	Selects long (permanent) hold mode.	10
			24HR	Selects 24 hour (temporary) hold mode.	
5	Temporary Override Adjustment Limit	0 ADJ	0, 1, 2, or 3 ADJ 0	Selects a temporary temperature adjustment limit of 0 (disabled), 1°, 2° or 3°.	11
6	Program Override Time Limit	4 TEMP	4, 3, 2 or 1 TEMP	Selects a temporary program override time limit of 1, 2, 3 or 4 hours.	11
7	Thermostat Lock Code	000	0-9	Select a 3 digit lock code of 0-9 for each digit.	11
8	Wi-Fi Clear	WIFI	WIFI	No changes to Wi-Fi network settings.	12
			CL WIFI	Clears Wi-Fi network settings.	

## Service Monitors (Filter, UV and Humidifier Pad)

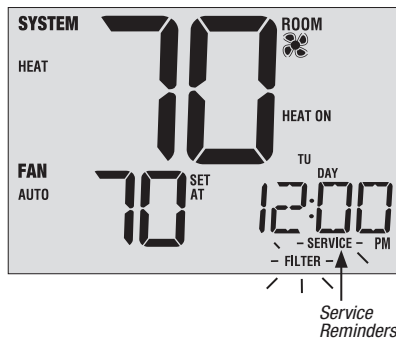
### User Options 1, 2 and 3

There are three user selectable service monitors that will display reminders for a required air filter, UV bulb or humidifier pad replacement. The SERVICE segment flashes in the display along with FILTER, UV or HUMID. When the service interval has been reached, and required cleaning or replacement has been performed, press the **RETURN** button to reset the timer. Select OFF or a set number of days before the reminder will appear.

## Extended Hold Period

### User Option 4

The Extended Hold Period lets you select the period your thermostat will hold the temperature when the HOLD mode is activated (*See Setting the Temperature, page 23*). When LONG is selected the thermostat will hold your temperature indefinitely. When 24HR is selected, the thermostat will hold your temperature for 24 hours and then return to the current program at that time. Not available in non-programmable mode.

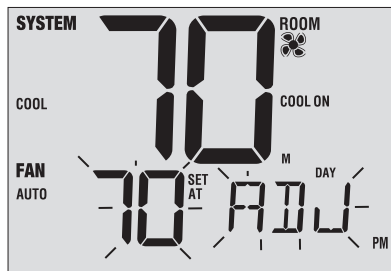


## Temporary Override Adjustment Limit

### User Option 5

The Temporary Override Adjustment Limit will limit how much the temperature can be adjusted from the current set point when the thermostat is used in the programmable mode. This setting will not allow the user to override the temperature past the selected limit amount of 1, 2 or 3 degrees from the current set point. When the user reaches the adjustment limit the screen will flash ADJ. A setting of 0 disables the adjustment limit.

The Temporary Override Adjustment Limit can also be used in the non-programmable mode if the keypad lockout security level is set to level 1 (*See Installer Guide*).



## Program Override Time Limit

### User Option 6

The Program Override Time Limit allows you to set a maximum time limit (in hours) that the thermostat will return to the program after a temporary temperature adjustment has been made (*See Setting the Temperature, page 23*). You may select 1, 2, 3 or 4 hours. Not available in non-programmable mode.

## Thermostat Lock Code

### User Option 7

The Thermostat Lock Code sets a 3-digit code that you may use at any time to lock or unlock the thermostat. Setting the code in the user options mode does not activate the lock feature (*See Locking/Unlocking Thermostat, page 28*). You may choose a 3-digit code with each digit being 0-9.

## Wi-Fi Clear

### User Option 8

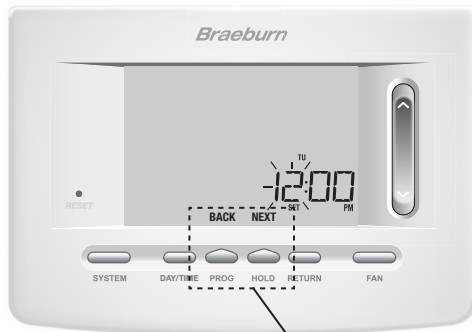
Use this setting if you no longer want to be connected to your Wi-Fi network or if you change Wi-Fi routers. Select WIFI to skip changes to your network settings. Select CL WIFI to clear all Wi-Fi network settings. You can set up Wi-Fi again at a later time if desired (see Wi-Fi Setup Guide).

## 3 Setting Your Program Schedule

### Setting the Time and Day

1. In normal operating mode, press the **DAY/TIME** button. The display will switch to the day/time setting mode and the hour will be flashing.
2. Press the SpeedBar® up or down to adjust the hour, press **NEXT**.
3. Press the SpeedBar up or down to adjust the minute, press **NEXT**.
4. Press the SpeedBar up or down to adjust the day of the week.
5. Press **RETURN** to exit.

**NOTE:** If the Wi-Fi feature is used, the clock will adjust automatically to the time zone and DST (Daylight Savings Time) set up in the Wi-Fi feature.



**BACK** and **NEXT** are secondary functions of the **PROG** and **HOLD** buttons.

## Tips Before Setting Your Program Schedule

- Make sure your current time and day of the week are set correctly.
- When programming, make sure the AM and PM indicators are correct.
- Various installer settings such as auto changeover mode and temperature adjustment limits may affect your programming flexibility.
- Your NIGHT event cannot exceed 11:50 p.m.
- **BACK** and **NEXT** are secondary functions of the **PROG** and **HOLD** buttons (see page 7).

### This thermostat has been configured with one of the following programming options:

- Residential 7 day programming mode with 4 events per day (default)
- Residential 5-2 (weekday/weekend) programming mode with 4 events per day
- Commercial 7 day programming mode with 2 events per day
- Non-Programmable mode

**NOTE:** If this thermostat was configured In the Installer Settings to be non-programmable, then you cannot set a user program. If you press the **PROG** or **HOLD** buttons, the word “NONE” will appear in the display, indicating there is no program present. See the Installer Guide for different configuration options.

**(Program changes can be made at the thermostat or from the BlueLink Smart Connect® application on your smartphone, tablet or PC.)**



## Energy Saving Programs

This thermostat comes pre-programmed with a default energy saving program. The following tables outline the pre-programmed times and temperatures for heating and cooling in each of your 4 daily events (2 events if configured for commercial mode). If you wish to use these settings then no further programming is necessary:

<b>Residential 7 Day Programming</b> <i>Factory Settings</i>	
<b>4 Event</b>	<b>All Days</b>
MORN	Time: 6:00 am Heat: 70° F (21° C) Cool: 78° F (26° C)
DAY	Time: 8:00 am Heat: 62° F (17° C) Cool: 85° F (29° C)
EVE	Time: 6:00 pm Heat: 70° F (21° C) Cool: 78° F (26° C)
NIGHT	Time: 10:00 pm Heat: 62° F (17° C) Cool: 82° F (28° C)

<b>Commercial 2 Event Programming</b> <i>Factory Settings</i>	
<b>2 Event</b>	<b>All Days</b>
OCCUPIED	Time: 8:00 am Heat: 70° F (21° C) Cool: 78° F (26° C)
UNOCCUPIED	Time: 6:00 pm Heat: 62° F (17° C) Cool: 85° F (29° C)

**Residential 5-2 Day Programming– Weekday/Weekend**  
*Factory Settings*

<b>4 Event</b>	<b>Weekday</b>	<b>Weekend</b>
<b>MORN</b>	Time: 6:00 am Heat: 70° F (21° C) Cool: 78° F (26° C)	Time: 6:00 am Heat: 70° F (21° C) Cool: 78° F (26° C)
<b>DAY</b>	Time: 8:00 am Heat: 62° F (17° C) Cool: 85° F (29° C)	Time: 8:00 am Heat: 62° F (17° C) Cool: 85° F (29° C)
<b>EVE</b>	Time: 6:00 pm Heat: 70° F (21° C) Cool: 78° F (26° C)	Time: 6:00 pm Heat: 70° F (21° C) Cool: 78° F (26° C)
<b>NIGHT</b>	Time: 10:00 pm Heat: 62° F (17° C) Cool: 82° F (28° C)	Time: 10:00 pm Heat: 62° F (17° C) Cool: 82° F (28° C)

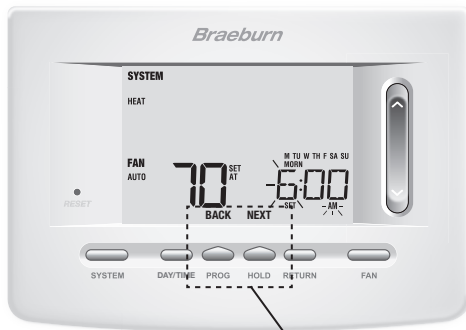
## Programming a 7 Day Residential Schedule

The 7 day residential programming mode gives you the option to program individual days (1 day at a time) or to use SpeedSet and program the entire week (all 7 days) with a 4 event program schedule.

### Setting All 7 Days at Once (SpeedSet®)

**NOTE:** Setting all 7 days at once will copy over any previously programmed individual days.

1. Hold the **PROG** button for 3 seconds. The display will switch to SpeedSet programming mode. All 7 days of the week will appear and the hour will be flashing.
2. Press **SYSTEM** to select HEAT or COOL.
3. Press the SpeedBar® up or down to adjust the hour for the MORN (morning) event. Press **NEXT**.
4. Press the SpeedBar up or down to adjust the minute for the MORN event. Press **NEXT**.
5. Press the SpeedBar up or down to adjust the temperature for the MORN event. Press **NEXT**.
6. Press the SpeedBar up or down to adjust the fan setting for the MORN event. Press **NEXT**.
7. Repeat steps 3-6 for the DAY, EVE and NIGHT events.
8. If needed, repeat steps 2-7 to program the opposite mode (HEAT or COOL).
9. Press **RETURN** to exit.

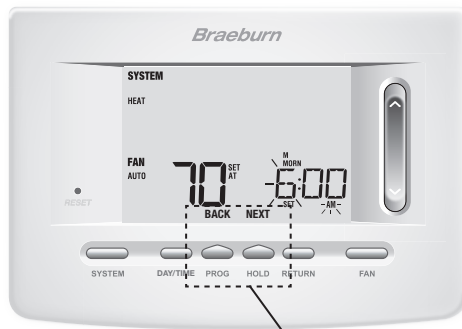


**BACK** and **NEXT** are secondary functions of the **PROG** and **HOLD** buttons.



## Setting Individual Days (7 Day Residential)

1. Press the **PROG** button. The display will switch to programming mode. M (Monday) will be displayed and the hour will be flashing.
2. Press **SYSTEM** to select HEAT or COOL.
3. Press **DAY/TIME** to select the day you would like to program.
4. Press the SpeedBar® up or down to adjust the hour for the MORN (morning) event. Press **NEXT**.
5. Press the SpeedBar up or down to adjust the minute for the MORN event. Press **NEXT**.
6. Press the SpeedBar up or down to adjust the temperature for the MORN event. Press **NEXT**.
7. Press the SpeedBar up or down to adjust the fan setting for the MORN event. Press **NEXT**.
8. Repeat steps 4-7 for your DAY, EVE and NIGHT events.
9. If needed, repeat steps 3-7 to select a different day to program.
10. If needed, repeat steps 2-9 to program the opposite mode (HEAT or COOL).
11. Press **RETURN** to exit.

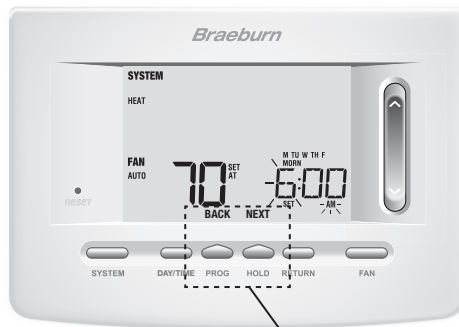


**BACK** and **NEXT** are secondary functions of the **PROG** and **HOLD** buttons.

## Programming a 5-2 Day Residential Schedule

The 5-2 day residential programming mode allows you to program Monday - Friday with one 4 event schedule and then allows you to change Saturday and Sunday with a different 4 event schedule.

1. Press the **PROG** button. The display will switch to programming mode. The days M, TU, W, TH, and F will be displayed and the hour will be flashing.
2. Press **SYSTEM** to select HEAT or COOL.
3. Press the SpeedBar® up or down to adjust the hour for the MORN (morning) event. Press **NEXT**.
4. Press the SpeedBar up or down to adjust the minute for the MORN event. Press **NEXT**.
5. Press the SpeedBar up or down to adjust the temperature for the MORN event. Press **NEXT**.
6. Press the SpeedBar up or down to adjust the fan setting for the MORN event. Press **NEXT**.
7. Repeat steps 3-6 for your DAY, EVE and NIGHT events.
8. Repeat steps 3-7 for your weekend (S, SU) program.
9. If needed, repeat steps 2-9 to program the opposite mode (HEAT or COOL).
10. Press **RETURN** to exit.



**BACK** and **NEXT** are secondary functions of the **PROG** and **HOLD** buttons.

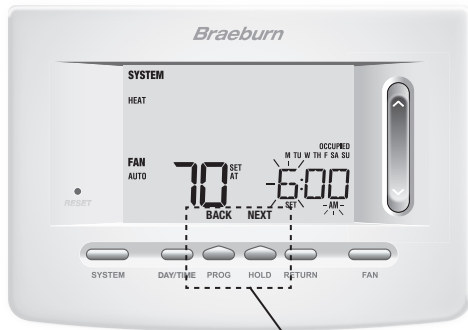
## Programming a 7 Day Commercial Schedule

The 7 day commercial programming mode gives you the option to program individual days (1 day at a time) or to use SpeedSet and program the entire week (all 7 days) with a 2 event program schedule.

### Setting All 7 Days at Once (SpeedSet®)

**NOTE:** Setting all 7 days at once will copy over any previously programmed individual days.

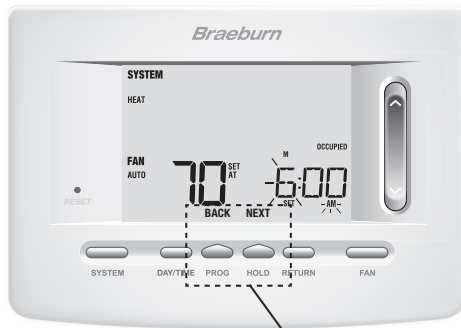
1. Hold the **PROG** button for 3 seconds. The display will switch to SpeedSet programming mode. All 7 days of the week will appear and the hour will be flashing.
2. Press **SYSTEM** to select HEAT or COOL.
3. Press the SpeedBar® up or down to adjust the hour for the OCCUPIED event. Press **NEXT**.
4. Press the SpeedBar up or down to adjust the minute for the OCCUPIED event. Press **NEXT**.
5. Press the SpeedBar up or down to adjust the temperature for the OCCUPIED event. Press **NEXT**.
6. Press the SpeedBar up or down to adjust the fan setting for the OCCUPIED event. Press **NEXT**.
7. Repeat steps 3-6 for your UNOCCUPIED event.
8. If needed, repeat steps 2-7 to program the opposite mode (HEAT or COOL).
9. Press **RETURN** to exit.



**BACK** and **NEXT** are secondary functions of the **PROG** and **HOLD** buttons.

## Setting Individual Days (7 Day Commercial)

1. Press the **PROG** button. The display will switch to programming mode. M (Monday) will appear and the hour will flash.
2. Press **SYSTEM** to select HEAT or COOL.
3. Press **DAY/TIME** to select an individual day.
4. Press the SpeedBar® up or down to adjust the hour for the OCCUPIED event. Press **NEXT**.
5. Press the SpeedBar up or down to adjust the minute for the OCCUPIED event. Press **NEXT**.
6. Press the SpeedBar up or down to adjust the temperature for the OCCUPIED event. Press **NEXT**.
7. Press the SpeedBar up or down to adjust the fan setting for the OCCUPIED event. Press **NEXT**.
8. Repeat steps 4-7 for your UNOCCUPIED event.
9. If needed, repeat steps 3-7 to select other individual days.
10. If needed, repeat steps 2-9 to program the opposite mode (HEAT or COOL).
11. Press **RETURN** to exit.



***BACK** and **NEXT** are secondary functions of the **PROG** and **HOLD** buttons.*