Braeburn®

User Manual

BlueLink® smart connect

Universal Programmable Smart Wi-Fi Thermostat

7205 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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7205-110-01

Contents

1 About Your Thermostat
Thermostat Features 3
Thermostat and Display 4

2 Setting User Options
Advanced User Options 8
Table of User Options 9
Filter Service Monitor 10
Extended Hold Time Period 10
Thermostat Lock Code 10
Wi-Fi Clear 10

3 Setting Your Program Schedule
Setting the Time and Day 11
Tips Before Setting Your Program Schedule 12
Programming a 7 Day Residential Schedule 14
Programming a 5-2 Day Residential Schedule 16

4 Operating Your Thermostat
Setting the System Control Mode 17
Setting the Fan Control Mode 18
Setting the Temperature 19
Status Indicators 20
Program Event Indicator 21
Resetting the Thermostat 21

5 Additional Operation Features
Auto Changeover Mode 22
Adaptive Recovery Mode 23
Compressor Protection 24
Locking and Unlocking the Thermostat..... 24

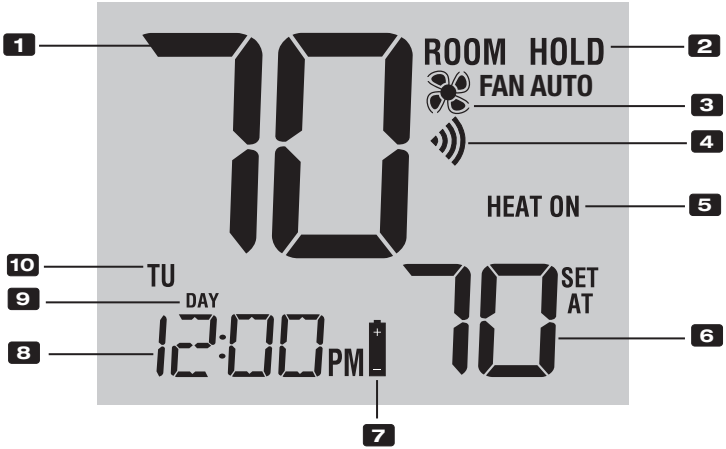
6 Thermostat Maintenance
Thermostat Cleaning 26
Battery Replacement 26

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
- Large 3 sq. in. bright blue backlit display is easy to read.
- Extra large display characters make viewing settings even easier.
- User selectable filter monitor reminds you of required filter maintenance.
- Precise temperature accuracy keeps you in control of your comfort.
- Convenient circulating fan mode

1 About Your Thermostat



Thermostat Display

1 **Room Temperature** ..... Displays the current room temperature

2 **Hold Mode Indicator** ..... Indicates if the thermostat is in HOLD mode

3 **Fan Indicator** ..... Indicates when the system fan is running

4 **Wi-Fi Indicator** ..... Indicates when connected to Wi-Fi (flashes when connection has been lost)

5 **System Status Indicator** ..... Displays information about the status of the system

6 **Set Temperature** ..... Displays the current set point temperature

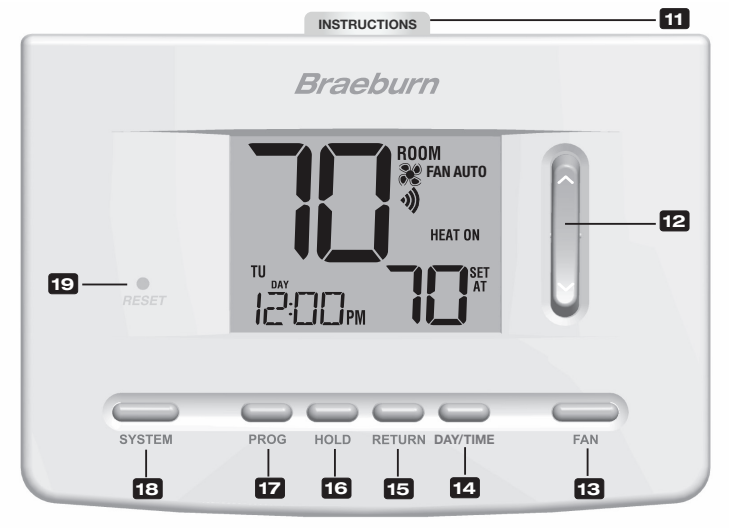
7 **Low Battery Indicator** ..... Indicates when the batteries need to be replaced

8 **Time of Day** ..... Displays the current time of day

9 **Program Event Indicator** ..... Displays the program event

10 **Day of the Week** ..... Displays the current day of the week

1 About Your Thermostat



Thermostat

11 **Quick Reference Instructions**..... Stored in slot located at top of thermostat

12 **SpeedBar®** ..... Increases or decreases settings (time, temperature, etc.)

13 **FAN Button** ..... Selects the system fan mode

14 **DAY/TIME Button**..... Sets the current time and day of the week

15 **RETURN Button** ..... Returns to normal mode from program or a program override

16 **HOLD Button**..... Enters/Exits the HOLD mode (program bypass)

17 **PROG Button**..... Selects programming mode or press for 3 seconds to select SpeedSet®

18 **SYSTEM Button** ..... Selects the system you want to control

19 **Reset Button** ..... Resets current time, program and user settings

Battery Compartment..... Located in the back of thermostat

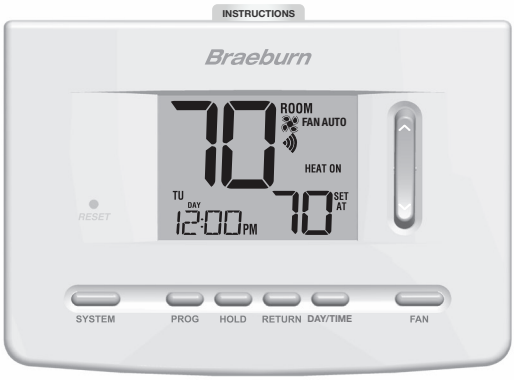
2 Setting User Options

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 **RETURN** to advance to the next User Option.



After reaching the last user setting the thermostat will return to normal mode.

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 (SRVC FLTR) reminder in the display screen.	
2	Extended Hold Period	LONG	LONG	Selects long (permanent) hold mode.	10
			24 HRS	Selects 24 hour (temporary) hold mode.	
3	Thermostat Lock Code	000	0-9	Select a 3 digit lock code of 0-9 for each digit.	10
4	Wi-Fi Clear	WIFI	WIFI	No changes to Wi-Fi network settings.	10
			WIFI CL	Clears Wi-Fi network settings.	

Filter Service Monitor

User Option 1

SRVC ↔ FLTR

A user selectable service monitor will display a reminder for a required air filter replacement. The time segment will flash SRVC FLTR when the service interval has been reached. When 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 2

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 19)*. When LONG is selected the thermostat will hold your temperature indefinitely. When 24 HRS 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.

Thermostat Lock Code

User Option 3

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 24)*. You may choose a 3-digit code with each digit being 0-9.

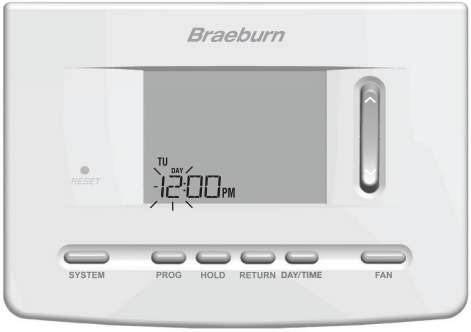
Wi-Fi Clear

User Option 4

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 WIFI CL 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 **DAY/TIME**.
3. Press the SpeedBar up or down to adjust the minute, press **DAY/TIME**.
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.*

Tips Before Setting Your Program Schedule

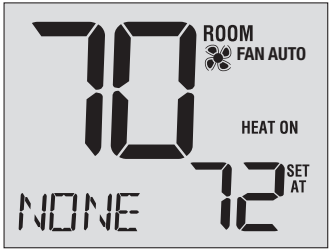
- Make sure your current time and day of the week are set correctly.
- When programming, make sure the AM and PM indicators are correct.
- Various installer settings such as auto changeover mode and temperature adjustment limits may affect your programming flexibility.
- Your NIGHT event cannot exceed 11:50 p.m.

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

- 7 day programming mode with 4 events per day (default)
- 5-2 (weekday/weekend) programming mode with 4 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. If you wish to use these settings then no further programming is necessary:

Residential 7 Day Programming *Factory Settings*	
4 Event	**All Days**
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)

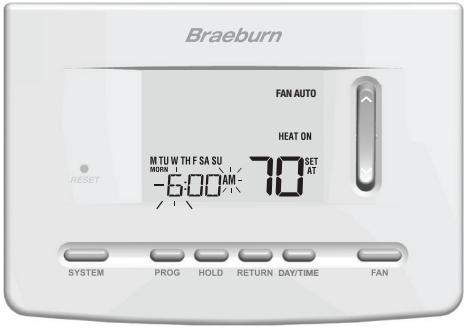
Residential 5-2 Day Programming– Weekday/Weekend *Factory Settings*		
4 Event	**Weekday**	**Weekend**
MORN	Time: 6:00 am Heat: 70˚ F (21˚ C) Cool: 78˚ F (26˚ C)	Time: 6:00 am Heat: 70˚ F (21˚ C) Cool: 78˚ F (26˚ C)
DAY	Time: 8:00 am Heat: 62˚ F (17˚ C) Cool: 85˚ F (29˚ C)	Time: 8:00 am Heat: 62˚ F (17˚ C) Cool: 85˚ F (29˚ C)
EVE	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)
NIGHT	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.

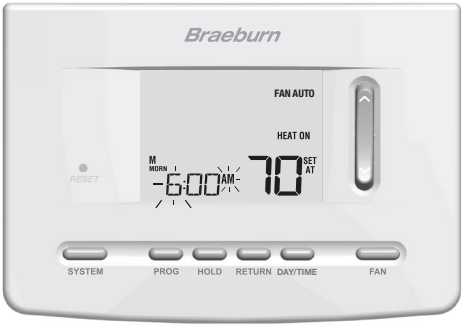
Setting All 7 Days at Once (SpeedSet®)

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 **PROG.**
4. Press the SpeedBar up or down to adjust the minute for the MORN event. Press **PROG**.
5. Press the SpeedBar up or down to adjust the temperature for the MORN event. Press **PROG**.
6. Press the SpeedBar up or down to adjust the fan setting for the MORN event. Press **PROG**.
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.

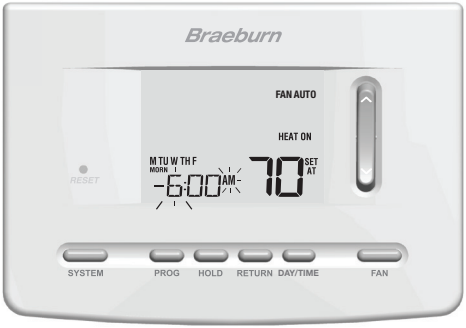
Setting Individual Days (7 Day Residential)



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 **PROG**.
5. Press the SpeedBar up or down to adjust the minute for the MORN event. Press **PROG.**
6. Press the SpeedBar up or down to adjust the temperature for the MORN event. Press **PROG**.
7. Press the SpeedBar up or down to adjust the fan setting for the MORN event. Press **PROG**.
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.

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 **PROG**.
4. Press the SpeedBar up or down to adjust the minute for the MORN event. Press **PROG**.
5. Press the SpeedBar up or down to adjust the temperature for the MORN event. Press **PROG**.
6. Press the SpeedBar up or down to adjust the fan setting for the MORN event. Press **PROG**.
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.

4 Operating Your Thermostat

Setting the SYSTEM Control Mode

The System Control has 5 modes of operation – AUTO, COOL, OFF, HEAT and EMER. The mode can be selected by pressing the **SYSTEM** button to scroll through the different modes.

NOTE: *Depending on how your thermostat was configured, some system modes may not be available.*

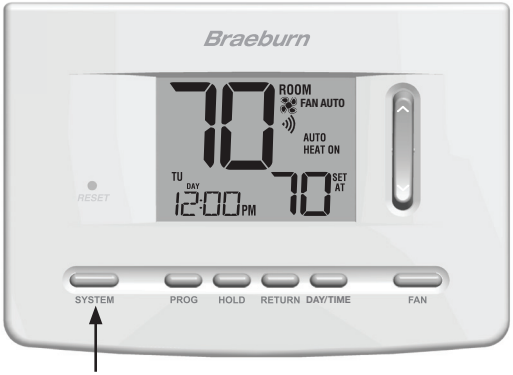
AUTO The system will cycle between heating and cooling automatically based on your program set points. AUTO will be displayed with either HEAT or COOL.

COOL Only your cooling system will operate.

OFF Heating and cooling systems are off.

HEAT Only your heating system will operate

EMER Operates a backup heat source (Emergency Heat) for heat pump systems only.



Setting the FAN Control Mode

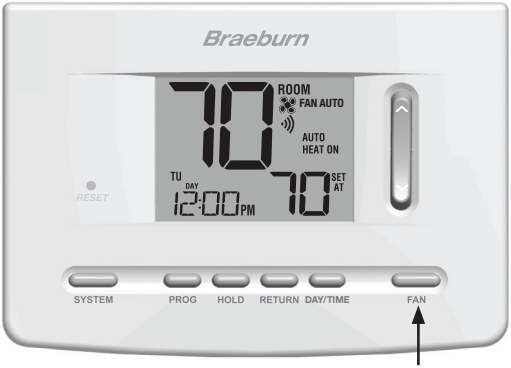
The Fan Control has 3 modes of operation – AUTO, ON and CIRC. The mode can be selected by pressing the **FAN** button to scroll through the different modes.

NOTE: *Depending on how your thermostat was configured, some fan modes may not be available.*

AUTO The system fan will run only when your heating or cooling system is running.

ON The system fan stays on.

CIRC The system fan will run intermittently to help circulate air and provide more even temperature distribution when the heating or cooling system is not active.

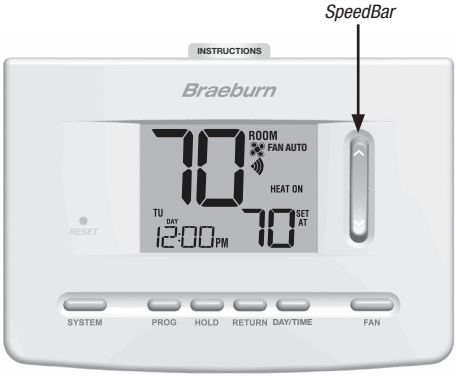


Setting the Temperature

Temporary Adjustment – Press the SpeedBar® up or down to adjust the current set temperature. If your thermostat is running in 5-2 or 7 day programmable mode, the set temperature will change back to your original programmed settings when your next scheduled change in temperature occurs.

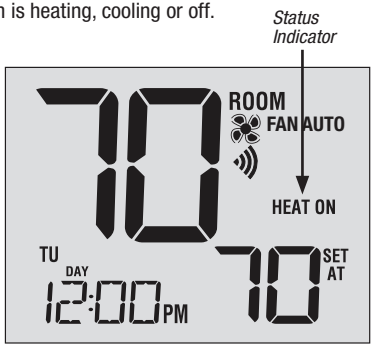
Extended Adjustment – Press the **HOLD** button so that HOLD appears in the display screen. Press the SpeedBar up or down to adjust the current set temperature *(See Extended Hold Period, page 10)*.

NOTE: *If this thermostat was configured to be non-programmable, you will not have a HOLD option.*



Status Indicators

Status indicators appear in the display to let you know if your system is heating, cooling or off.



HEAT ON Heating system is running.

COOL ON Cooling system is running.

AUX Auxiliary stage of heating is running (multi-stage heat pump systems only).

EMER Emergency heating system is running (heat pump systems only).

ADJ Temperature adjustment limit has been reached.

Thermostat is connected to Wi-Fi network (flashes if connection is lost).

Thermostat battery is low *(see Thermostat Maintenance, page 26)*.

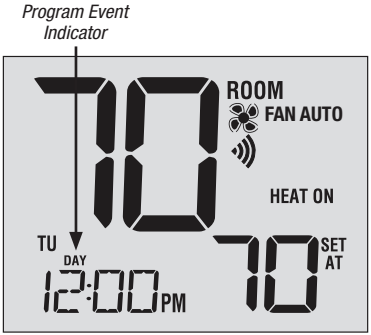
Program Event Indicators

Program event indicators appear in the display to let you know what part of your current program is active.

- In Program Mode, MORN, DAY, EVE or NIGHT will appear.

When the program event indicator is flashing, your program has been temporarily bypassed and will resume at the next scheduled event.

NOTE: *You will not see a program event indicator while in HOLD or Non-Programmable Mode.*

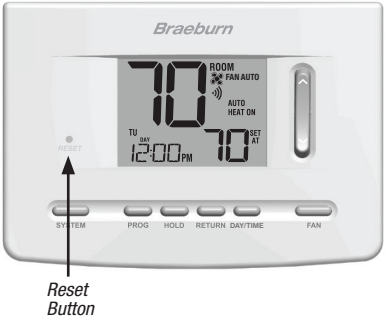


Resetting the Thermostat

This thermostat provides you with a reset button that will erase all of your user settings and programming.
The reset feature does not affect the Installer Settings.

To reset the thermostat, use a small object such as a tooth pick or paperclip and gently press the button located inside the small hole on the front of the thermostat housing labeled "*RESET*".

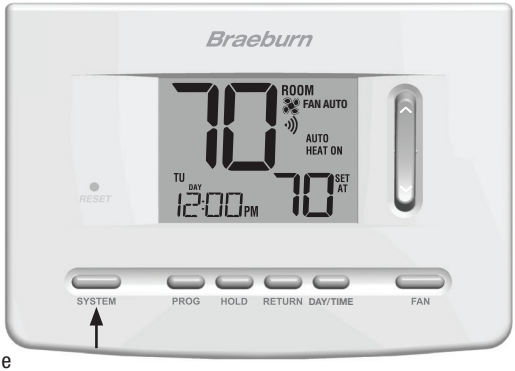
NOTE: *You cannot reset the thermostat if it is locked.*



5 Additional Operation Features

Auto Changeover Mode

Auto Changeover mode is a feature enabled/ disabled in the Installer Settings (see Installer Manual). If enabled, it is selected by pressing the SYSTEM button until AUTO HEAT or AUTO COOL appears in the display.



When Auto Changeover mode is enabled and selected, the system automatically switches between heating and cooling when the room temperature meets the programmed heating or cooling set points. To operate properly, the thermostat requires a “dead band” setting to eliminate program conflicts. The dead band is set in the Installer Settings *(See Installer Guide)*. The default setting is 3° F. Therefore, you will not be able to set your heat or cool temperature within 3° F of each other. If a setting is made in either heating or cooling which violates the dead band, the opposite mode will adjust up or down automatically to maintain the programmed dead band spacing.

Adaptive Recovery Mode (ARM™)

Adaptive Recovery Mode is a feature turned on or off in the Installer Settings (See Installer Manual).

If turned on with installer settings, your thermostat will automatically adjust the start time based on the room temperature.

ARM ON Reach temperature BY schedule time
ARM OFF Start to change temperature AT scheduled time

Example
ARM ON: Heat set to 62° overnight, and warm up to 70° at 7:00 AM, the thermostat will turn on early to reach 70° BY 7:00 AM.

Example
ARM OFF: Heat set to 62° overnight, and warm up to 70° at 7:00 AM, the thermostat will start heating AT 7:00 AM.

Setting the thermostat to Hold, Emergency Heat or manually adjusting the temperature will interrupt ARM.

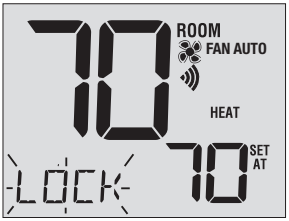
Compressor Protection

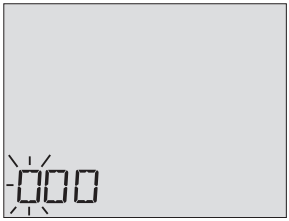
This feature is automatically present in cooling and/or heating modes.
This thermostat includes an automatic compressor protection delay to avoid potential damage to your system from short cycling. This feature activates a short delay after turning off the system compressor.

Locking and Unlocking the Thermostat

Your 3-digit Lock Code is set in the "User Options" portion of this manual (See "Setting User Options", page 8-10). Once the code is set, the thermostat can be locked or unlocked at any time by entering that code.

To lock or unlock the thermostat, press and hold the **DAY/TIME** and **HOLD** buttons together for 5 seconds. The screen will change, displaying 000. Press the SpeedBar® ∧ or ∨ to enter the first digit of your lock code and then press **RETURN** to advance to the next digit. Repeat this process to enter the second and third digit of your lock code. After entering the third digit, press **RETURN**.





If you entered a valid code the thermostat will be locked or unlocked (depending on its previous state). When locked, the word LOCK appears in the display (Figure 1). If an invalid code is entered the word NO will briefly appear, indicating that an incorrect code was entered (Figure 2).

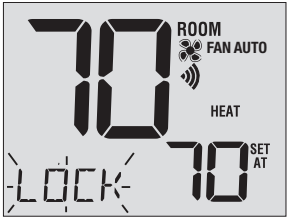


Figure 1

Figure 2

FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-- Reorient or relocate the receiving antenna.

-- Increase the separation between the equipment and receiver.

-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

The distance between user and products should be no less than 20cm

IC STATEMENT

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

The distance between user and products should be no less than 20cm

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

la distance entre l'utilisateur et les produits devraient ê tre au moins 20 cm

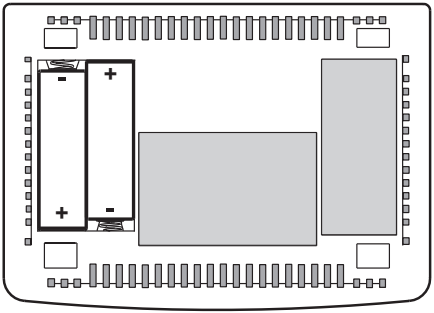
6 Thermostat Maintenance

Thermostat Cleaning

Never spray any liquid directly on the thermostat. Using a soft damp cloth wipe the outer body of the thermostat. Never use any abrasive cleansers to clean your thermostat.

Changing the Batteries

This thermostat requires two (2) properly installed “AA” alkaline batteries to maintain the thermostat clock and to provide power for the thermostat if 24 volt AC power is not connected. *(See Installer Guide).*



If batteries become low, a battery indicator will appear in the display. You should change your batteries immediately when you see the low battery signal by following these instructions.

1. Remove thermostat body by gently pulling it from base.
2. Remove old batteries and replace with new batteries.
3. Make sure to correctly position the (+) and (-) symbols.
4. Gently push thermostat body back onto base.

NOTE: *We recommend replacing the thermostat batteries annually or if the thermostat will be unattended for an extended period of time.*

Limited Warranty

When installed by a professional contractor, this product is backed by a 5 year limited warranty. Limitations apply. For limitations, terms and conditions, you may obtain a full copy of this warranty:

· Visit us online: www.braeburnonline.com/warranty

· Phone us: 866.268.5599

· Write us: Braeburn Systems LLC
2215 Cornell Avenue
Montgomery, IL 60538

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Store this manual for future reference.

For additional information visit: www.braeburnonline.com

For online access visit: www.bluelinksmartconnect.com

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