

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 (Model 7305 only).



Setting the FAN Control Mode

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

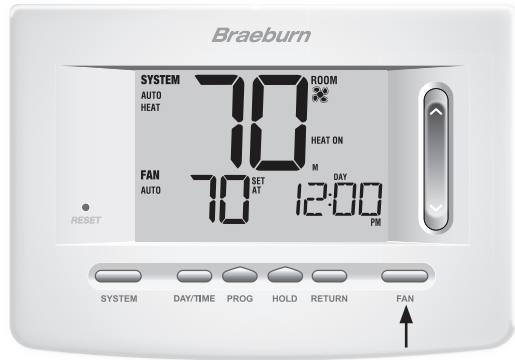
NOTE: Depending on how your thermostat was configured, some fan modes may not be available.

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.

PROG The system fan will function in the AUTO or ON modes depending on your program schedule.



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).

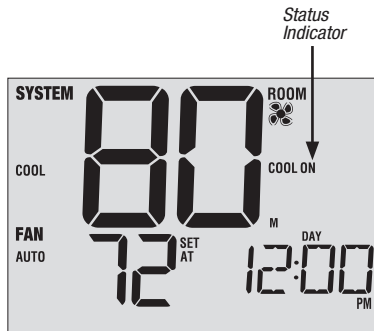
NOTE: If this thermostat was configured to be non-programmable, you will not have a HOLD option.



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 systems only).
- EMER** Emergency heating system is running (model 7305 heat pump systems only).
- CHECK** There is a potential problem with your system. Contact a local service technician (model 7305 only).
- SERVICE** User selectable service reminder for changing a filter, UV air purifier bulb or humidifier pad (*see Service Monitors, page 10*).
- 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 31*).
- NO POWR** AC Power to system has been lost (*see page 29*).



Program Event Indicators

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

- In Residential Program Mode, MORN, DAY, EVE or NIGHT will appear.
- In Commercial Program Mode, OCCUPIED or UNOCCUPIED will appear.

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

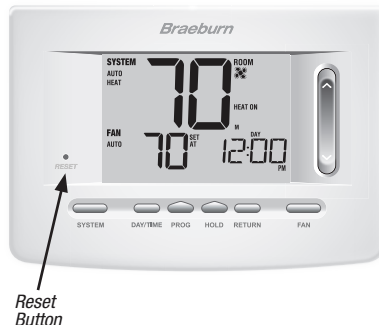
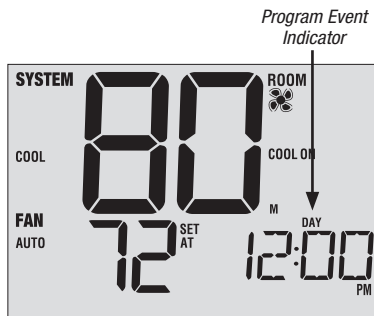
NOTE: You will not see a program event indicator while in HOLD or Non-Programmable Mode.

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.

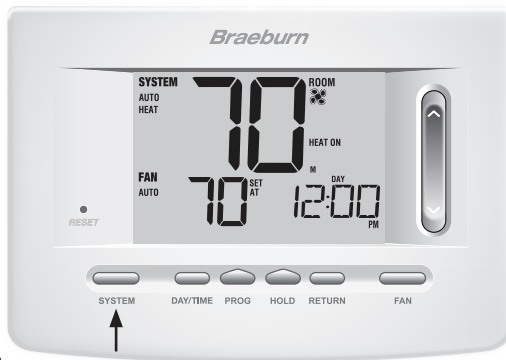


5 Additional Operation Features

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 enabled/disabled in the Installer Settings (See Installer Guide). If enabled, the feature is automatically present while in programmable mode.

Adaptive Recovery Mode tries to reach your desired heating or cooling temperature at the time you have set in your current program schedule, after a setback period. For example, if you set your heat down to 62° at night and have a set point of 70° scheduled for 7:00 AM, the thermostat may turn on your heating system early in order to achieve a temperature of 70° by 7:00 AM.

This feature does not operate when the thermostat is in HOLD mode, if the program is temporarily overridden or if emergency heat is selected on a multistage heat pump system.

Programmable Fan Mode

Programmable Fan Mode is selected by pressing FAN until PROG appears in the display. It is only available in 7 or 5-2 Day programmable mode.

Programmable Fan Mode allows the user to run the fan continuously during a selected program event. To use this feature, select fan ON while setting program events. (See “Setting Your Program Schedule”, page 13).



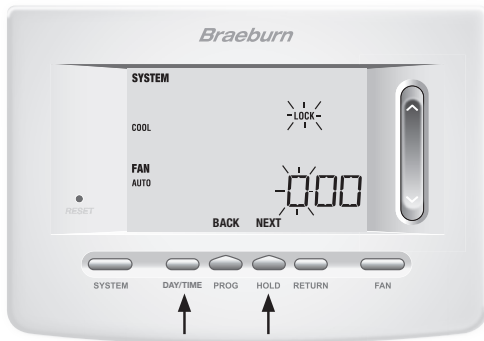
Compressor Protection

Compressor protection is enabled/disabled in the Installer Settings (See Installer Guide). If enabled, 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. Additionally, for multi-stage heat pump systems, this thermostat provides cold weather compressor protection by locking out the compressor stage(s) of heating for a period of time after a power outage greater than 60 minutes. This cold weather compressor protection can be manually overridden at any time by changing the system mode to OFF momentarily, then back to HEAT.

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, 9 and 11). 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 and LOCK will be flashing. Press the SpeedBar® **▲** or **▼** to enter the first digit of your lock code and then press **NEXT*** 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**.



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

If you entered a valid code the thermostat will be locked or unlocked (depending on its previous state). When locked, the word LOCKED 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).

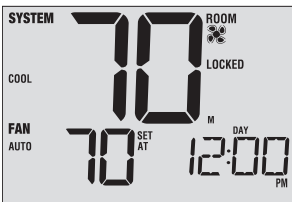


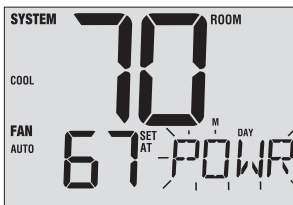
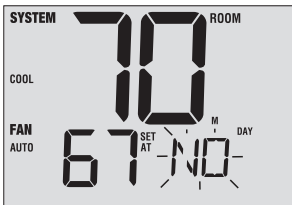
Figure 1



Figure 2

AC Power Monitor

The AC Power Monitor feature is enabled in the Installer Settings (See Installer Guide). If enabled, this feature will automatically be present. If your thermostat was hardwired (power provided from the system with batteries as a backup) then the AC Power Monitor feature will indicate when a loss of power to the thermostat has occurred by flashing NO POWER.



Indoor Remote Sensing

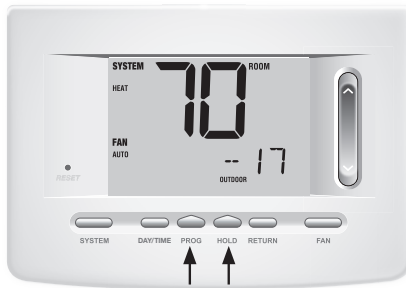
Indoor remote sensing is achieved by installing a Braeburn® remote indoor sensor and is configured in the Installer Settings (See Installer Guide).

If a Braeburn indoor remote sensor was installed and properly configured in the Installer Settings, the thermostat will sense temperature at a remote location or a combination of a remote location and the thermostat location.

Outdoor Remote Sensing

Outdoor remote sensing is enabled by installing a Braeburn® remote outdoor sensor. No additional configuration is required.

If a Braeburn outdoor remote sensor was installed you may press the **PROG** and **HOLD** buttons at the same time to view the outdoor temperature.



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

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.

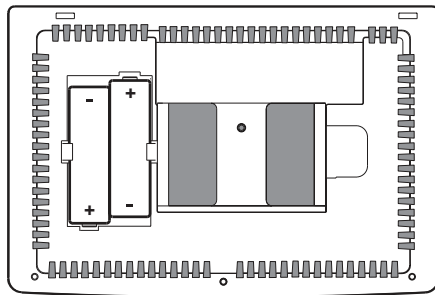
Changing the Batteries

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.



Braeburn

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



Store this manual for future reference.

For additional information visit: www.braeburnonline.com

For online access visit: www.bluelinksmartconnect.com

Braeburn

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630-844-1968 (Outside the U.S.)

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