

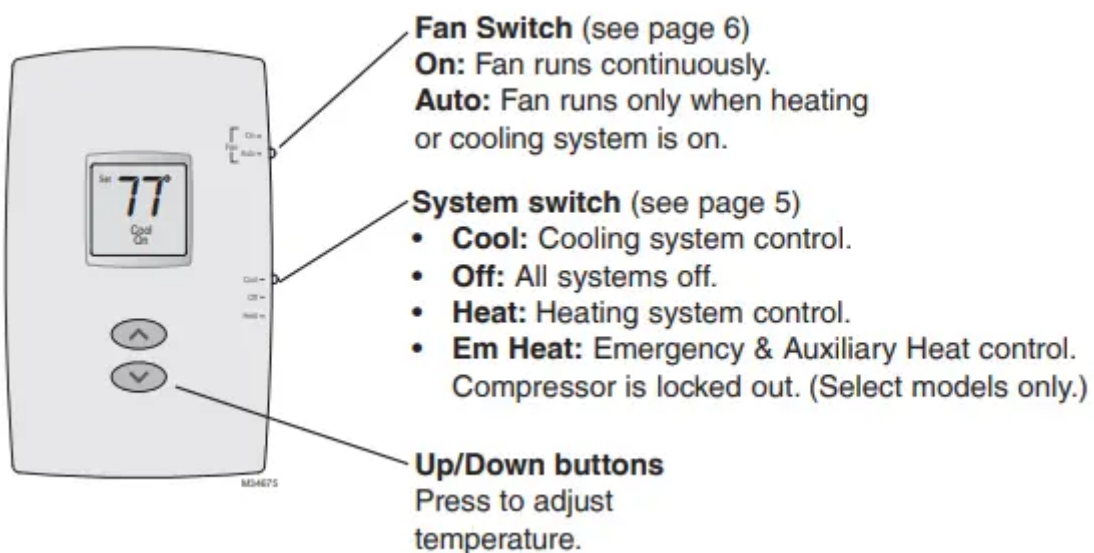
About your new thermostat

Your new Honeywell thermostat has been designed to give you many years of reliable service and easy-to-use, push-button climate control.

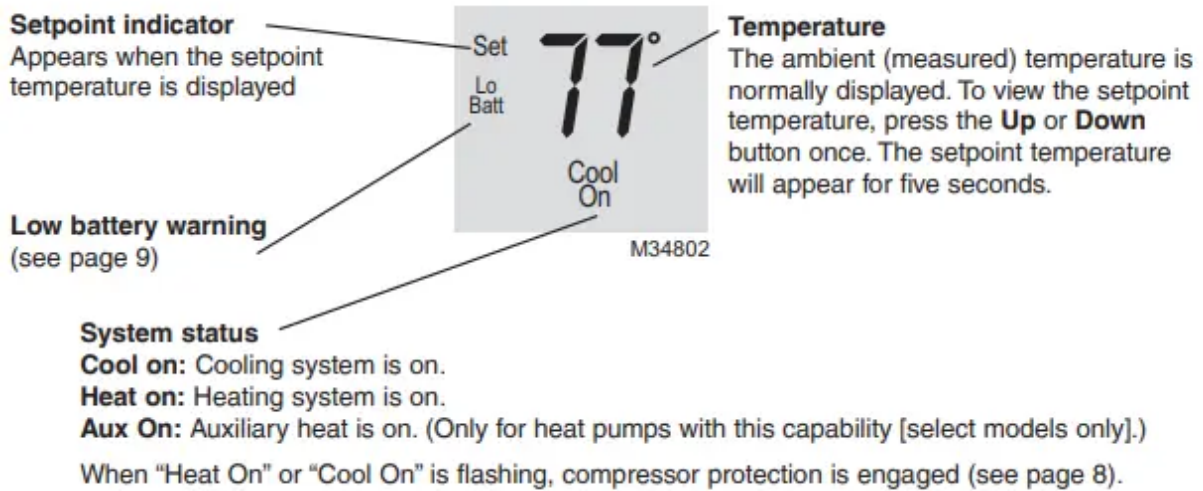
Features

- Backlit display is easy to read
- Displays ambient (measured) temperature at all times
- One-touch access to setpoint temperature
- Built-in compressor protection

Quick reference to controls



Quick reference to display screen



Setpoint indicator

- Appears when the setpoint temperature is displayed

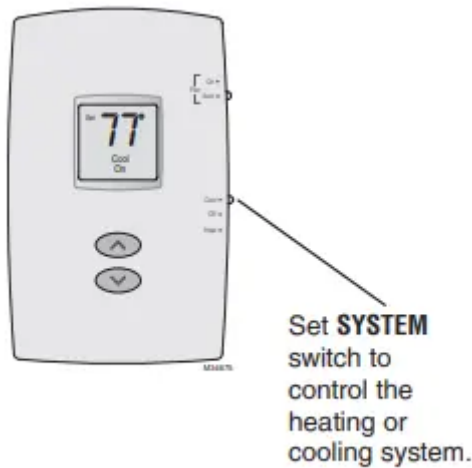
Temperature

- The ambient (measured) temperature is normally displayed. To view the setpoint temperature, press the Up or Down button once. The setpoint temperature will appear for five seconds.

System status

- Cool on: Cooling system is on.
- Heat on: Heating system is on.
- Aux On: Auxiliary heat is on. (Only for heat pumps with this capability [select models only].) When "Heat On" or "Cool On" is flashing, compressor protection is engaged

Select the system setting

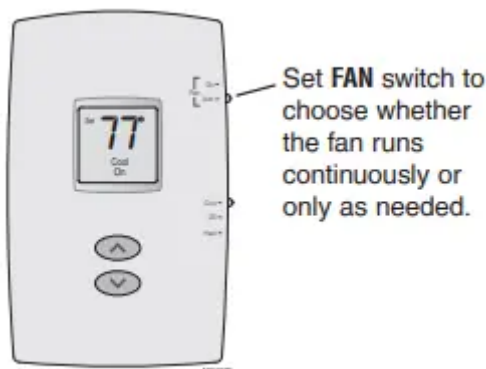


The SYSTEM switch can be set to control your heating or cooling system, depending on the season.

- Cool: Cooling system control.
- Off: All systems are off.
- Heat: Heating system control.
- Em Heat: Emergency & Auxiliary Heat control. Compressor is locked out. (Select models only.)

CAUTION: EQUIPMENT DAMAGE HAZARD. To prevent possible compressor damage, do not operate cooling system when outdoor temperature is below 50°F (10°C).

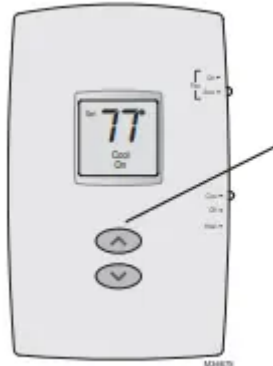
Select the fan setting



- Set the FAN switch to Auto or On.
- In “Auto” mode (the most commonly used setting), the fan runs only when the heating or cooling system is on.

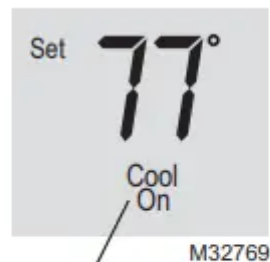
- If set to “On,” the fan runs continuously

Adjust the temperature



- Press ▲ or ▼ to adjust the temperature.
- Note: Make sure the thermostat is set to the system you want to control (heat or cool).

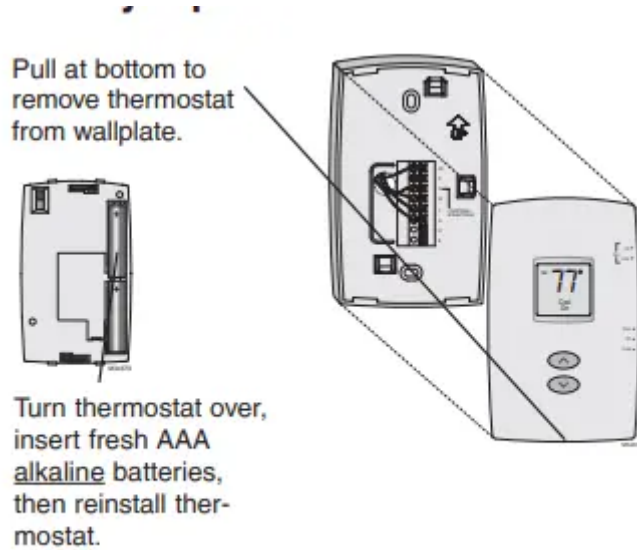
Built-in compressor protection



Message flashes until safe restart time has elapsed.

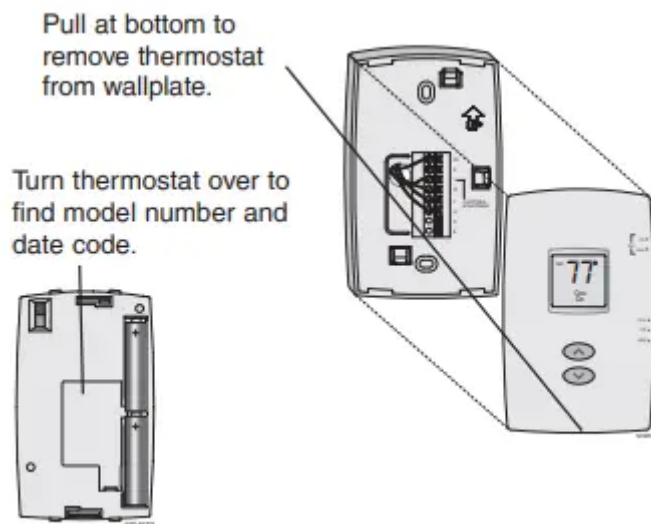
- This feature helps prevent damage to the compressor in your air conditioning or heat pump system.
- Damage can occur if the compressor is restarted too soon after shutdown. This feature forces the compressor to wait 5 minutes before restarting.
- During the wait time, the display will flash the message Cool On (or Heat On if you have a heat pump model). When the safe wait time has elapsed, the message stops flashing and the compressor turns on.

Battery replacement



- Install two fresh AAA batteries when Lo Batt flashes on the screen. Lo Batt appears for 60 days before the batteries are depleted.
- Replace batteries once a year, or when you will be away for more than a month.
- The settings are stored in non-volatile (permanent) memory and are thus preserved when the thermostat is without batteries.

Customer assistance



In case of difficulty

If you have difficulty with your thermostat, please try the following suggestions. Most problems can be corrected quickly and easily

1. Display is blank

- Check circuit breaker and reset if necessary.
- Make sure power switch at heating & cooling system is on.
- Make sure furnace door is closed securely.
- Make sure fresh AAA alkaline batteries are correctly installed

2. Heating or cooling system does not respond

- Set system switch to Heat. Make sure the temperature is set higher than the Inside temperature.
- Set system switch to Cool. Make sure the temperature is set lower than the Inside temperature.
- Wait 5 minutes for the system to respond.

3. Temperature settings do not change - Make sure heating and cooling temperatures are set to acceptable ranges:

- Heat: 40° to 90°F (4.5° to 32°C).
- Cool: 50° to 99°F (10° to 37°C).

4. "Heat On" or "Cool On" is flashing

- Compressor protection feature is engaged. Wait 5 minutes for the system to restart safely, without damage to the compressor

5. "Heat On" is not displayed

- Set the System switch to Heat, and set the temperature level above the current room temperature

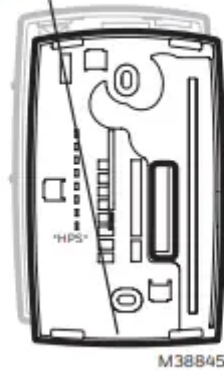
6. "Cool On" is not displayed

- Set the System switch to Cool, and set the temperature level below the current room temperature

Installation Guide

Wallplate installation

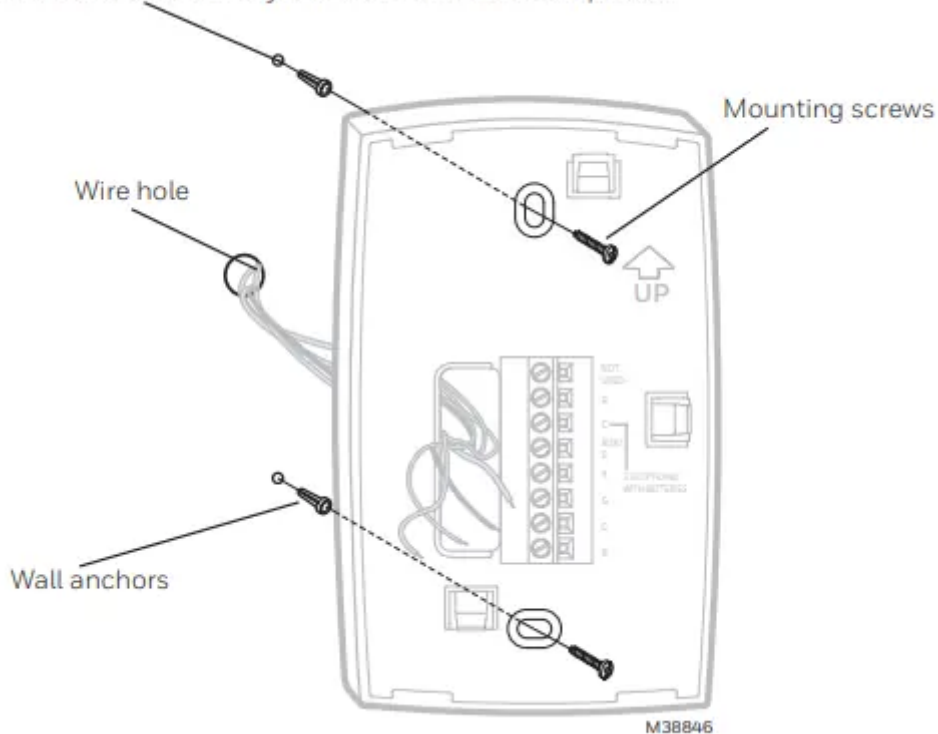
Pull at bottom to remove thermostat from wallplate.



Remove the wallplate from the thermostat as shown at left, then follow directions below for mounting.

1. Pull wires through wire hole.
2. Position wallplate on wall, level and mark hole positions with pencil.
3. Drill holes at marked positions as shown below, then tap in supplied wall anchors.
4. Place wallplate over anchors, insert and tighten mounting screws.

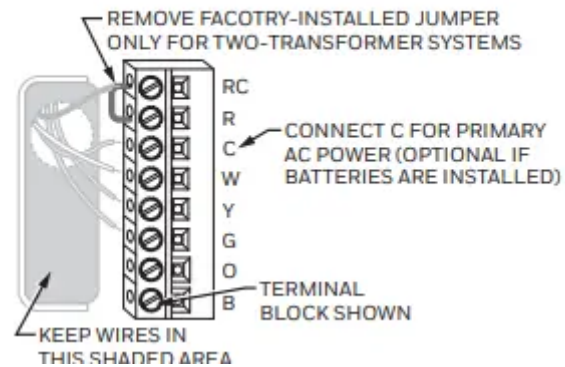
Drill 3/16" holes for drywall. Drill 7/32" holes for plaster.



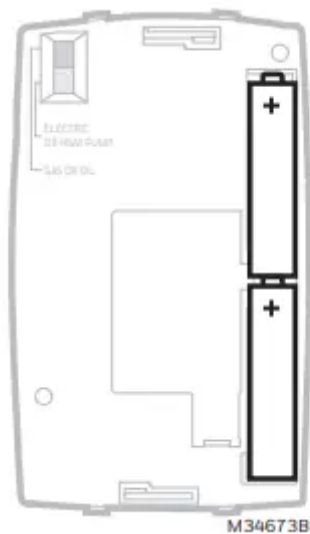
CAUTION: ELECTRICAL HAZARD Can cause electrical shock or equipment damage. Disconnect power before beginning installation. Drill 3/16" holes for drywall. Drill 7/32" holes for plaster.

MERCURY NOTICE: If this product is replacing a control that contains mercury in a sealed tube, do not place the old control in the trash. Contact the Thermostat Recycling Corporation at www.thermostat-recycle.org or 800-238-8192 for information on how and where to properly and safely dispose of your old thermostat.

Power options



Note: Terminals vary by model.

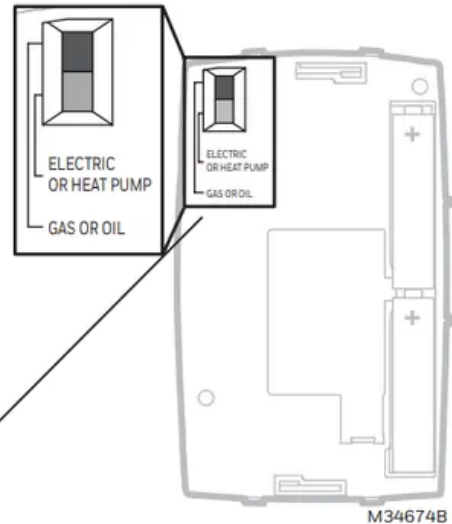


Fan operation settings

TH2110DV/TH1110DV only:

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- **Gas or Oil:** For gas or oil heating systems, leave the fan operation switch in this factory-set position. (This setting is for systems that control the fan in a call for heat.)
- **Electric or Heat Pump:** Change the switch to this setting for heat pump or electric heat systems. (This setting is for systems that allow the thermostat to control the fan in a call for heat, if a fan wire is connected to the **G** terminal.)



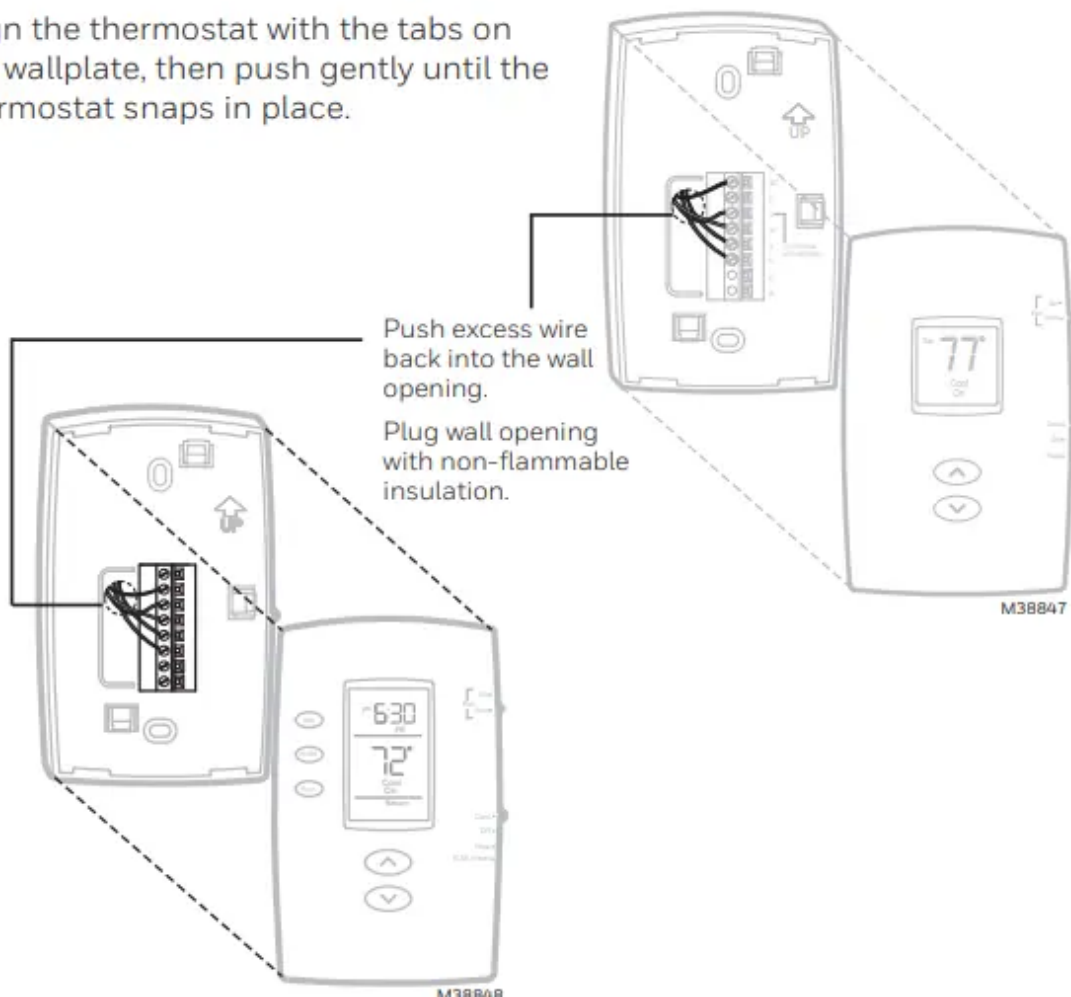
Set fan operation switch.

- Gas or Oil: For gas or oil heating systems, leave the fan operation switch in this factoryset position. (This setting is for systems that control the fan in a call for heat.)
- Electric or Heat Pump: Change the switch to this setting for heat pump or electric heat systems. (This setting is for systems that allow the thermostat to control the fan in a call for heat, if a fan wire is connected to the G terminal.)

Thermostat mounting: Align the thermostat with the tabs on the wallplate, then push gently until the thermostat snaps in place.

Thermostat mounting

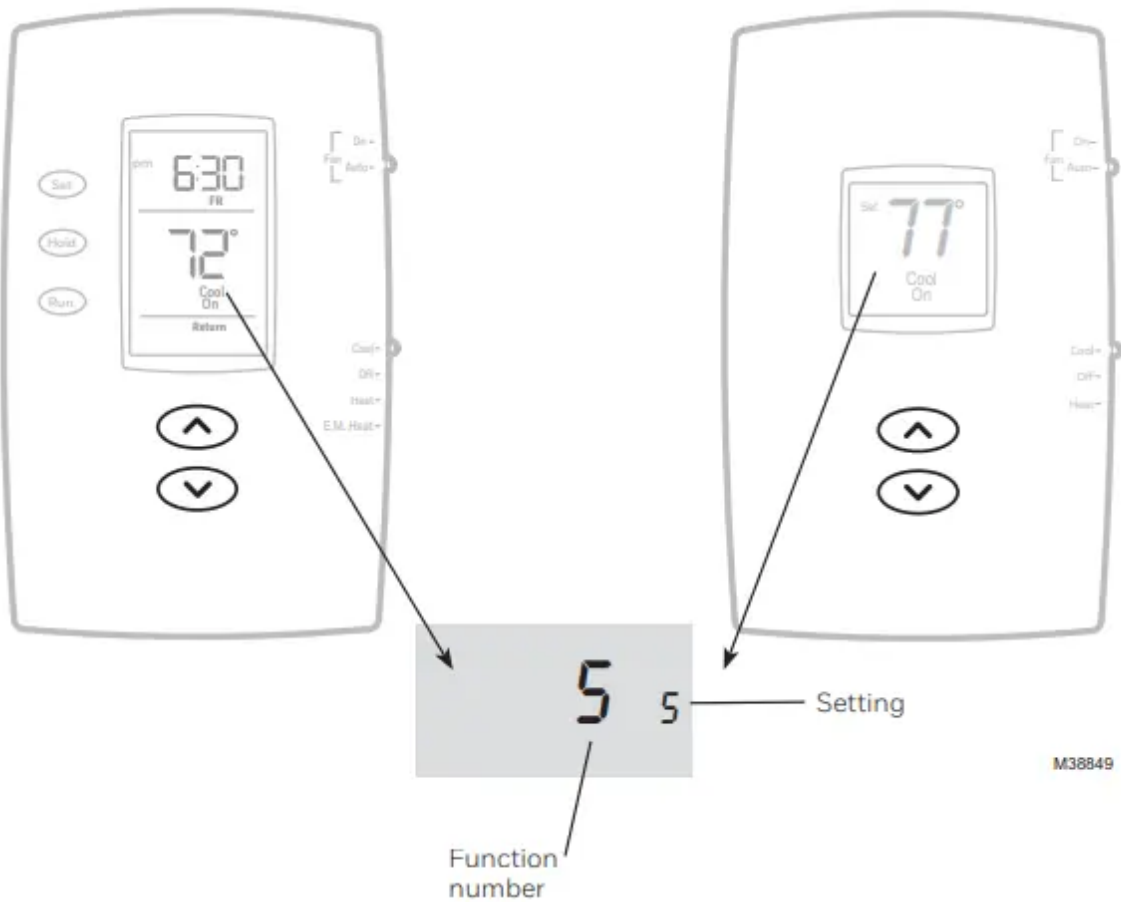
Align the thermostat with the tabs on the wallplate, then push gently until the thermostat snaps in place.



Installer setup

Follow the procedure below to configure the thermostat to match the installed heating/cooling system, and customize feature operation as desired

To begin, press and hold the ▲ and ▼ buttons until the display changes.



- Press the ▲ or ▼ button to change the setting.
- Press the ▲ and ▼ buttons simultaneously for one second to advance to the next function.
- Press and hold the ▲ and ▼ buttons to exit and save settings

NOTE: If you do not press any button for 60 seconds while you are in the setup menu, the thermostat automatically saves any changes made and exits the menu.

NOTE: The options below may not be available in all models.

5 Heating cycle rate (CPH: cycles/hour) (TH2110DV, TH1110DV and TH1100DV)

Settings & options (factory default in bold)

- 5 For gas or oil furnaces of less than 90% efficiency
- 1 For steam or gravity systems
- 3 For hot water systems & furnaces of over 90% efficiency
- 6 For electric furnaces [Other cycle rate options: 2 or 4 CPH]

6 Auxiliary heat cycle rate (CPH) (TH2210DV and TH1210DV)

Settings & options (factory default in bold)

- 3 For hot water systems & furnaces of over 90% efficiency
- 1 For steam or gravity systems
- 5 For gas or oil furnaces of less than 90% efficiency
- 6 For electric furnaces [Other cycle rate options: 2 or 4 CPH]

9 Compressor cycle rate (CPH) (TH2110DV, TH2210DV, TH1110DV, TH1210DV)

Settings & options (factory default in bold)

- 3 Recommended for most compressors [Other cycle rate options: 1, 2, 4, 5, or 6 CPH]

13 Early Start (TH2110DV and TH2210DV)

Settings & options (factory default in bold)

- 1 On
- 0 Off

14 Temperature display

Settings & options (factory default in bold)

- 0 Fahrenheit
- 1 Celsius

15 Compressor protection (TH2110DV, TH2210DV, TH1110DV, TH1210DV)

Settings & options (factory default in bold)

- 1 Five-minute compressor off time
- 0 No compressor off time

20 Clock display (TH2110DV and TH2210DV)

Settings & options (factory default in bold)

- 0 12-hour display
- 1 24-hour display

25 Lower temperature range (TH1100DV only)

Settings & options (factory default in bold)

- 0 Standard range 40°F to 90°F (4.5°C to 32°C)
- 1 Lower range (for garage mode) 35°F to 90°F (1.5°C to 32°C)

40 Restore program schedule to default (TH2110DV and TH2210DV)

Settings & options (factory default in bold)

- 0 Off

- 1 On - program schedule default settings are listed in the operating manual

CAUTION: EQUIPMENT DAMAGE HAZARD Compressor protection is bypassed during testing. To prevent equipment damage, avoid cycling the compressor quickly. NOTE: The options below may not be available in all models.

CAUTION: ELECTRONIC WASTE NOTICE The product and batteries should not be disposed of with other household waste. Check for the nearest authorized collection centers or authorized recyclers. The correct disposal of end-of-life equipment will help prevent negative consequences for the environment and human health.

Warning

This content is compiled from multiple sources and is provided for reference purposes only. It may not be complete or fully applicable to all situations. If you are unable to resolve your issue, please contact the product manufacturer or an authorized service provider for official support.

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