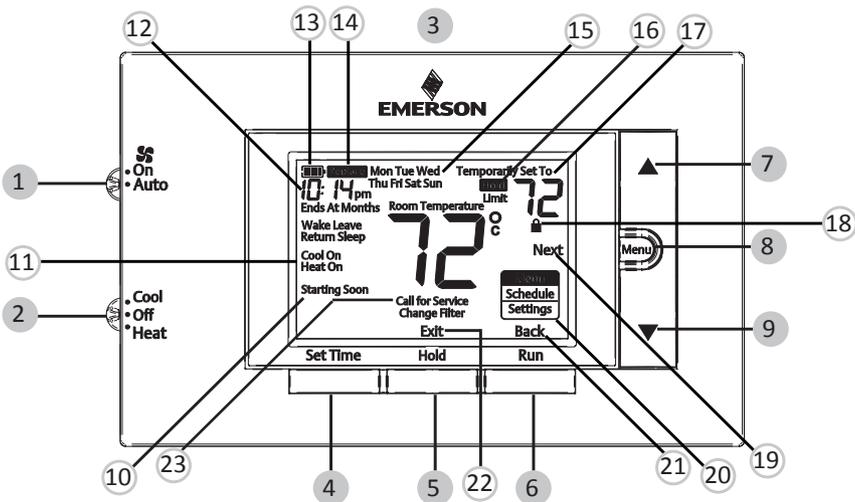


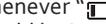
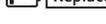
USING THE THERMOSTAT

THERMOSTAT OVERVIEW

Before you begin using your thermostat, you should be familiar with its features, display and the location/operation of the thermostat buttons and switches.

THERMOSTAT BUTTONS AND SWITCHES	THE DISPLAY
1.) Fan Switch	10.) Thermostat is protecting the equipment from short cycling (5-minute delay)
2.) System Switch	11.) Indicates that the system is running in cool or heat
3.) Backlight Button (located on the top of the thermostat)	12.) Displays the current time
4.) Set Correct Time	13.) Battery status indicator
5.) Hold a Permanent Temperature	14.) Low battery indicator
6.) Cancels Hold – Returns to Programmed Schedule	15.) Day of the week used when programming a schedule
7.) Raises Temperature Setting	16.) Permanent hold (bypassing the schedule)
8.) Access Menu Options	17.) Temperature setpoint
9.) Lowers Temperature Setting	18.) Appears when the keypad is locked (to prevent unwanted changes)
	19.) Next (Menu button) is used to navigate within a menu
	20.) Access the schedule and customize thermostat features
	21.) Back (Run button) is used to navigate within a menu
	22.) Exit (Hold button) returns to the home screen
	23.) SEE TROUBLESHOOTING



Whenever "  Replace " appears in the display, new premium brand AA alkaline batteries should be installed. If the house will be unoccupied for an extended period and either "  " or "  " is displayed, install new batteries before leaving.

USER MENU

To customize thermostat settings, press and hold the **Menu** button for ½ second from the home screen. Use the ▲ or ▼ buttons to highlight **Settings** and press **Next**. Use **Next** and **Back** to navigate through menu items. Press ▲ or ▼ to change the setting.

User's Menu # (Press Menu button and release)	Description	Default Setting (flashing icons)	Settings (Press ▲ or ▼)
01	Schedule Type (set as either 7-Day, 5-1-1 Day or Non Programmable)	5	7 – 7 Day 5 – 5-1-1 Day 0 – Non-programmable
02 	Early Start (starts heating or cooling early so your programmed temperature is reached by the programmed time)	OFF	On – start early OFF – start at program period time
03 	Continuous Display Light (keep the backlight always on – “C” wire required)	OFF	On – always on OFF – momentarily
04	Change Air Filter (set up a monthly reminder)	OFF	1 to 12 – reminder time (months) OFF – no filter reminder

THERMOSTAT OPERATION

Set Current Time and Day

Note: Time icons will flash at initial power up or after a reset.

- 1.) Press **Set Time**
- 2.) Use ▲ or ▼ to adjust the hour
- 3.) Press **Next** to advance to set the minutes and day of the week
- 4.) Press **Exit** when finished.

The default program is **5-1-1 Day**, but can be setup as a **7-Day** or **Non-Programmable** thermostat (refer to the **User Menu** above)

- **Hold Temperature (bypassing the schedule)** – With the **System** switch set to **Heat** or **Cool**, momentarily press the **Hold** button. **Hold** will be displayed. Use ▲ or ▼ to adjust the temperature. The thermostat will hold the room temperature at the selected setting until you press **Run** to start program operation again.
- **Program Override (Temporary Hold)** – Press ▲ or ▼ until the desired temperature is displayed. The thermostat will override the schedule until the next programmed time period with a minimum override of 2 hours. Then the thermostat will automatically revert to the program.
- **Keypad Lockout** – To prevent unwanted changes, the buttons can be disabled. To turn this feature On, press and hold ▲ and the **Menu** button until the  icon appears. To turn Off, press and hold ▲ and the **Menu** button for 3 seconds.

THERMOSTAT SCHEDULE / PROGRAMMING



**THERMOSTAT
HELPER**

For tips on programming your thermostat to receive optimal comfort, convenience and energy savings go to: thermostathelper.com

Energy Saving Factory Schedule

This thermostat is programmed with the energy saving settings shown in the table below for all days of the week.

	P1/Wake	P2/Leave	P3/Return	P4/Sleep
Heating Schedule	6:00 AM - 70°F	8:00 AM - 62°F	5:00 PM - 70°F	10:00 PM - 62°F
Cooling Schedule	6:00 AM - 78°F	8:00 AM - 85°F	5:00 PM - 78°F	10:00 PM - 82°F

Note: Thermostat can be programmed on or off the subbase

Modify the Heating Schedule

- 1.) Slide the system switch to **Heat**
- 2.) Press **Menu**
- 3.) Press **Next** to enter the schedule
- 4.) The time icons will flash – use ▲ or ▼ to set the time for the start of a period
- 5.) Press **Next** – the set point icons will flash – use ▲ or ▼ to set the temperature for the current period
- 6.) Continue to press **Next** to advance through all periods (P1/Wake, P2/Leave, P3/Return, P4/Sleep) for all days of the week.

*Note: Press **Back** to return to the previous setting. Once all days of the week have been programmed the thermostat will display **End**. Press **Exit** at any time to save changes and return to home screen.*

Modify the Cooling Schedule

- 1.) Slide the system switch to **Cool**
- 2.) Repeat steps 2-6 from the heating schedule

TROUBLESHOOTING

Symptom	Possible Cause	Corrective Action
No Heat/ No Cool/ No Fan (common problem)	<ol style="list-style-type: none"> 1.) Blown fuse or tripped circuit breaker 2.) Furnace power switch to OFF 3.) Furnace blower compartment door panel loose or not properly installed 4.) Loose connection to thermostat or system 	<ol style="list-style-type: none"> 1.) Replace fuse or reset breaker 2.) Turn switch to ON 3.) Replace door panel in proper position to engage safety interlock or door switch 4.) Tighten Connections
No Heat	<ol style="list-style-type: none"> 1.) System Switch not set to Heat 2.) Loose connection to thermostat or system 3.) Heating System requires service or thermostat requires replacement 	<p>Verify thermostat and system wires are securely attached.</p> <p>Diagnostic: Set System Switch to Heat and raise the setpoint above room temperature. Within five minutes the thermostat should make a soft click sound and “Heat On” should appear on display. This sound indicates the thermostat is operating properly. If the thermostat does not click, try the reset operation listed below. If the thermostat does not click after being reset, contact your heating and cooling service person or place of purchase for a replacement. If the thermostat clicks, contact the furnace manufacturer or a service person to verify the heating system is operating correctly.</p>

(Troubleshooting continued on next page)

TROUBLESHOOTING (Continued)

Symptom	Possible Cause	Corrective Action
No Cool	<ol style="list-style-type: none"> 1.) System Switch not set to Cool 2.) Loose connection to thermostat or system 3.) Cooling System requires service or thermostat requires replacement 	<p>Verify thermostat and system wires are securely attached.</p> <p>Diagnostic: Set System Switch to Cool and lower setpoint below room temperature. Same procedures as diagnostic for “No Heat” condition except set the thermostat to Cool and lower the setpoint below the room temperature. There may be up to a five minute delay before the thermostat clicks in Cooling if the compressor lock-out option is selected in the installer menu. (see INSTALLER MENU, item 50)</p>
Heat, Cool or Fan Runs Constantly	Possible short in wiring, thermostat, heat, cool or fan system	Check each wire connection to verify they are not shorted or touching other wires. Try resetting the thermostat. If the condition persists contact your HVAC service person.
Thermostat Display & Thermometer Disagree	Thermostat display requires adjustment	Display can be adjusted +/-5°. See User Menu item 04
Furnace (Air Conditioner) Cycles Too Fast or Slow (narrow or wide temperature swing)	The location of the thermostat and/or the size of the Heating System may be influencing the cycle rate	Digital thermostats provide precise control and cycle faster than older mechanical models. The system turns on and off more frequently but runs for a shorter time. If you would like to increase cycle time, choose SLO for slow cycle in the Installer menu. (Reference menu items 30 & 35) If an acceptable cycle rate is not achieved, contact your HVAC service person.
“Call for Service” icon appears on display	<ol style="list-style-type: none"> 1.) Heating system is not able to heat the space to within 10 degrees of the setpoint within 2 hours 2.) Cooling system is not able to cool the space to within 10 degrees of the setpoint within 2 hours 3.) If “--” is displayed for the Room Temperature, a replacement thermostat is needed 4.) None of the buttons operate on the thermostat 	<ol style="list-style-type: none"> 1.) See corrective action for “No Heat” 2.) See corrective action for “No Cool” 3.) Replace thermostat 4.) Make sure keypad lockout is not turned on (denoted by  icon)

Resetting the Thermostat or Thermostat Settings

If the thermostat has good batteries, but has a blank display or does not respond to key presses, the thermostat should be reset by removing the batteries for 2 minutes. This reset will not change the menu settings or program. If the condition persists after reinstalling the batteries, replace the thermostat.

To conveniently reset only the schedule and user settings back to factory defaults, press **Menu** and **Backlight** buttons at the same time and hold until the display goes blank and resets.

WARNING: This product contains a chemical known to the state of California to cause cancer and birth defects and other reproductive harm.

HOMEOWNER HELP LINE: 1-800-284-2925