

About your new thermostat

Congratulations! You've just purchased the world's most advanced, easy-to-use thermostat. It has been designed to give you many years of reliable service and climate control.

Features

- Large touchscreen display with backlight is easy to read—even in the dark.
- Daily program schedules maximize comfort and economy.
- One-touch temp control overrides program schedule at any time.
- Precise comfort control keeps temperature within 1°F of the level you set.
- Change/check reminder lets you know when to replace furnace filter.

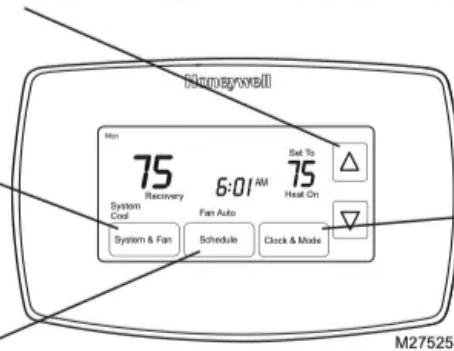
Quick reference to controls

Arrow keys

Press to adjust temperature (see pages 11–13), or to make selections from screen menus.

System & Fan

Press to select fan operation (see page 7) or system (see page 8).



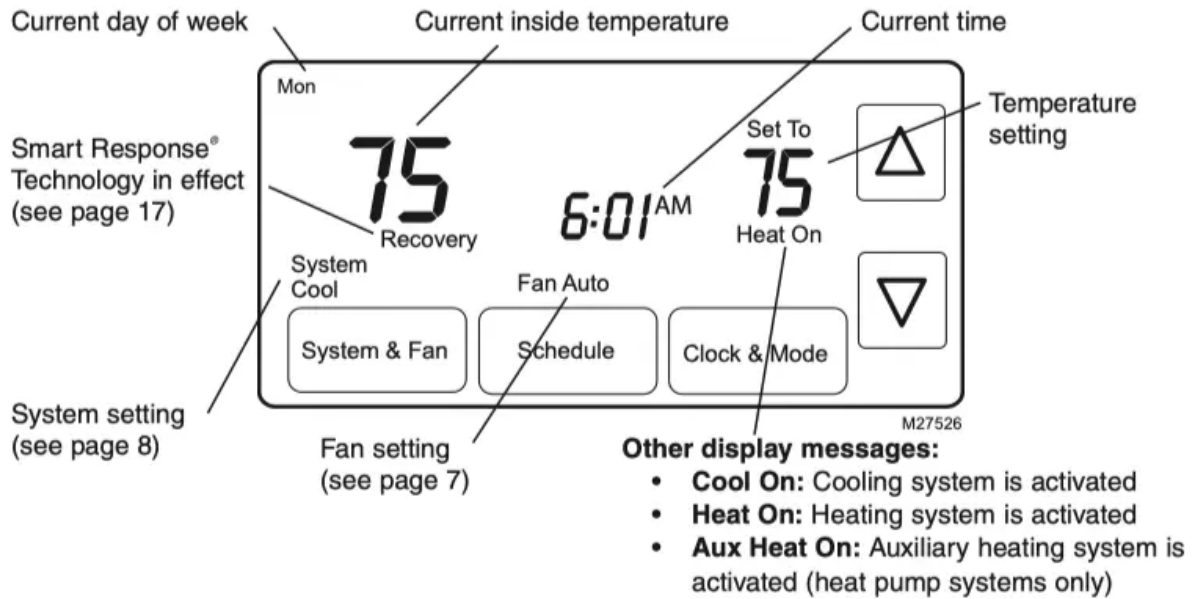
Clock & More

Press to set clock (see page 6) or furnace filter reminder.

Schedule

Press to set program schedule (see pages 10–11).

Quick reference to status display



Clock setting

Press **CLOCK**



Adjust time, then press **DONE**



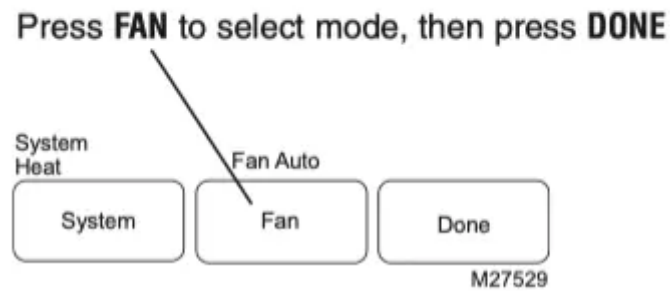
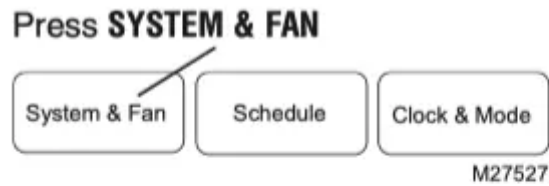
To set the current time display, press **CLOCK**, then press ▲ or ▼ to adjust the time. Press and hold ▲ or ▼ to advance the time more quickly.

Press **DONE** to save & exit (or press **GO BACK** to exit without changing the time).

Note: The real-time clock should never require adjustment since it automatically updates for daylight savings time, and stores all date/time information.

Note: To change the current week day display, see System Setup in your Installation Guide.

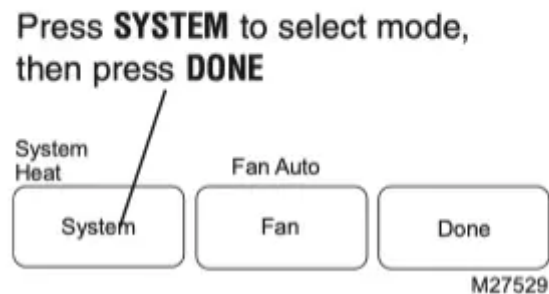
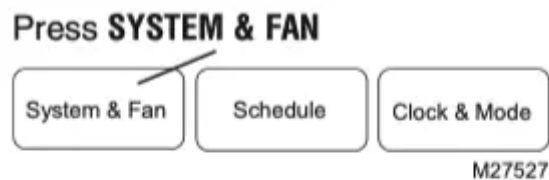
Fan setting



Press SYSTEM & FAN, then FAN to select fan operation:

- On: Fan is always on.
- Auto: Fan runs only when the heating or cooling system is on.

System setting



Follow steps at left to select system:

- Heat: Thermostat controls only the heating system.
- Cool: Thermostat controls only the cooling system.

- Auto: Thermostat automatically selects heating or cooling depending on the indoor temperature.
- Off: All systems are off.
- Em Heat (only for heat pumps with auxiliary heat): Thermostat controls Emergency and Auxiliary Heat. Compressor is locked out.



Note: The Auto and Em Heat system settings may not appear, depending on how your thermostat was installed.

Save money by setting program schedules

It's easy to program your system for maximum energy savings. You can program four time periods each day, with different settings for weekdays and weekends.

	WAKE 6:00 am 70°
	LEAVE 8:00 am 62°
	RETURN 6:00 pm 70°
	SLEEP 10:00 pm 62°

WAKE Set to the time you awaken and the temperature you want during the morning, until you leave for the day.

LEAVE Set to the time you leave home and the temperature you want while you are away (usually an energy-saving level).

RETURN Set to the time you return home and the temperature you want during the evening, until bedtime.

SLEEP Set to the time you go to bed and the temperature you want overnight (usually an energy-saving level).

About saving settings for maximum cost savings

This thermostat is pre-set with energy saving program settings. We recommend these settings, since they can reduce your heating/cooling expenses. (See next page to adjust times and temperatures of each time period.)

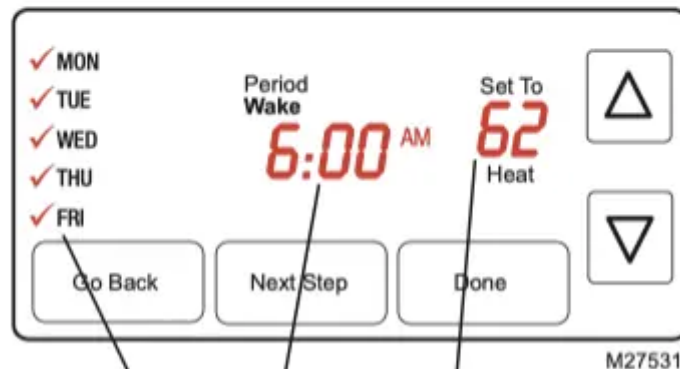
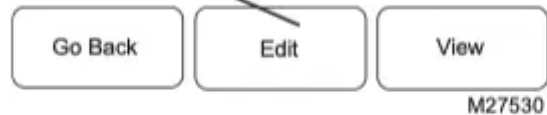
		Heat (Mon-Fri)	Cool (Mon-Fri)	Heat (Sat-Sun)	Cool (Sat-Sun)
Wake (6:00 am)		70°	78°	70°	78°
Leave (8:00 am)		62°	85°	62°	85°
Return (6:00 pm)		70°	78°	70°	78°
Sleep (10:00 pm)		62°	82°	62°	82°

To adjust program schedules

Press **SCHEDULE**



Press **EDIT**

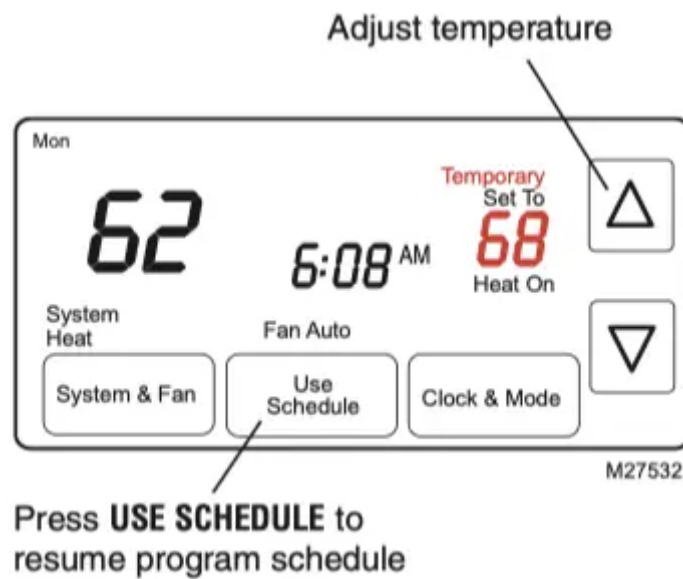


Select day(s) Select time Select temp

1. Press SCHEDULE, then EDIT to see weekdays.
2. Press SELECT DAY. You can select multiple days to program with the same settings.
3. Press NEXT STEP twice, then press ▲ or ▼ to set Wake time for selected day(s).
4. Press NEXT STEP, then ▲ or ▼ to set Heat temperature for this time period.

5. Press NEXT STEP, then ▲ or ▼ to set Cool temperature for this time period.
6. Repeat steps 3-5 to program other time periods (LEAVE, RETURN, SLEEP), then press DONE.
7. Repeat steps 1-6 to program Saturday/Sunday. (Press ▲ or ▼ until the desired day is flashing, then press SELECT DAY.)
8. Press DONE to save & exit.

Program your schedule thermostat (temporary)



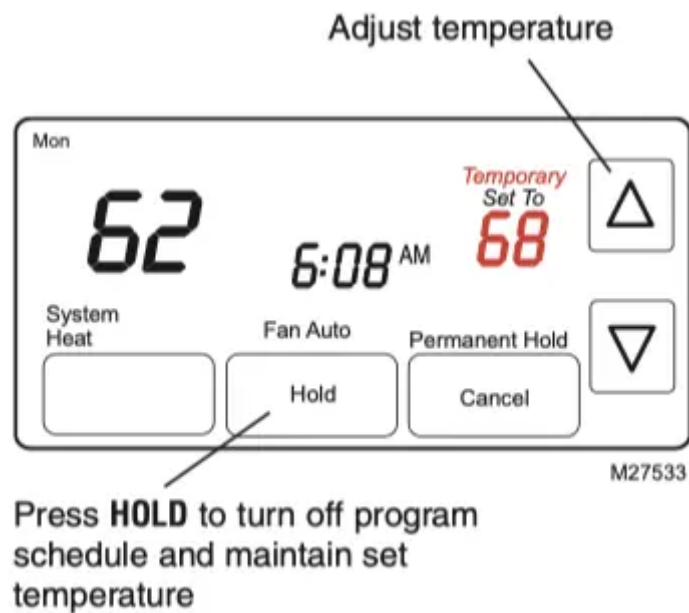
Press ▲ or ▼ to immediately adjust the temperature. This will temporarily override the temperature setting for the current time period.

The new temperature will be maintained until the next time period.

When the timer expires, the program schedule will resume and set the temperature to the level you've programmed for the current time period.

To cancel the temporary setting at any time, press USE SCHEDULE.

About your schedule thermostat (permanent)



Press ▲ or ▼ to adjust temperature, then press HOLD. This will turn off the program schedule.

Whatever temperature you set will be maintained 24 hours a day, until you manually change it, or press USE SCHEDULE to cancel "Hold" and resume the program schedule.

Auto Changeover

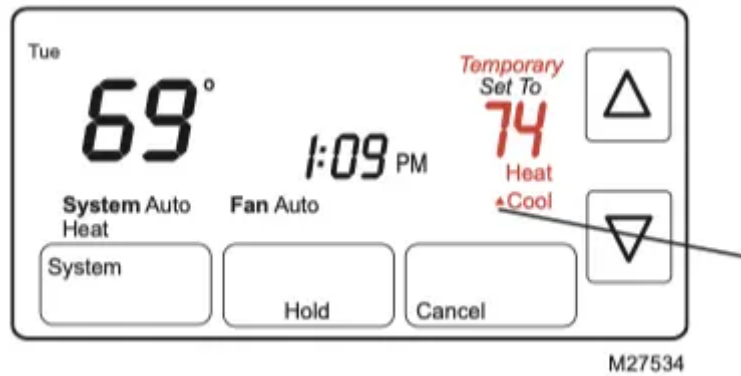
Use this feature in climates where both air conditioning and heating are used on the same day. When the system mode is in Auto, the thermostat automatically selects heating or cooling depending on the indoor temperature.

While in the Auto mode, if a schedule override takes place (temporarily or permanently) the thermostat will automatically adjust the cooling and heating settings to maintain a 3-degree separation between the cool and heat settings.

For example, if the heat temperature is raised to where it gets within 3-degrees of the cool setting, the display will show an up arrow next to "cool" to show the thermostat is raising the cool setting up to maintain a 3-degree separation.

The display will also show both "Auto" and either "Heat" or "Cool" for which temperature setting you are currently adjusting. Press the system button to select between the heat and cool to view/adjust either mode.

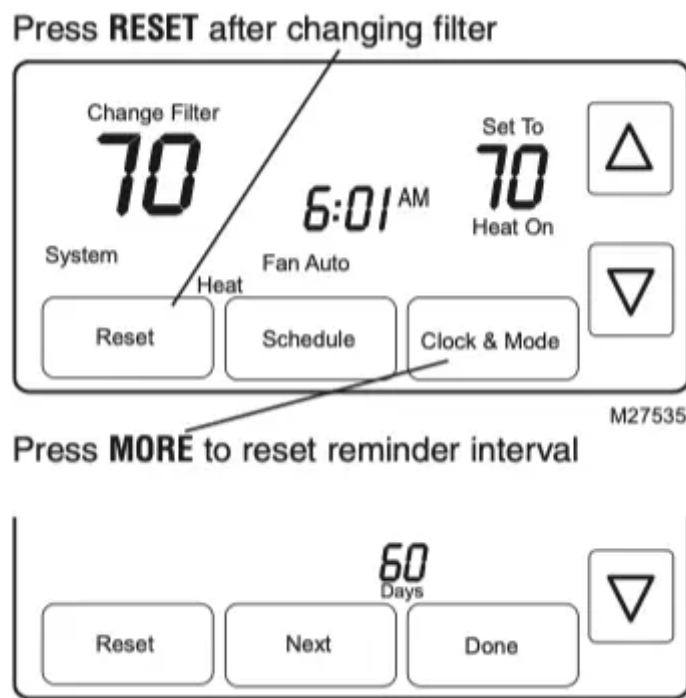
If the cool temperature is lowered to where it gets close to the heat setting, an arrow next to heat will show the thermostat is lowering the heat setting down to maintain a 3-degree separation.



The triangle indicates the cool temperature is increasing to maintain 3 degrees between heat and cool settings.

CAUTION: To avoid possible compressor damage, do not use Auto Changeover if the outside temperature drops below 50°F (10°C).

Furnace filter reminder



If activated during installation, the furnace filter reminder alerts you when it is time to replace your filter.

Press **RESET** after changing the filter, to restart the timer.

To reset the reminder interval before it expires:

1. Press **MORE**, then **NEXT**.
2. Press **RESET**.
3. Press **DONE** to save and exit.



Special features

Smart Response[®] Technology: This feature allows the thermostat to “learn” how long the furnace and air conditioner take to reach programmed temperature settings, so the temperature is reached at the time you set. For example: Set the Wake time to 6 am, and the temperature to 70°. The heat will come on before 6 am, so the temperature is 70° by the time you wake at 6. The message “Recovery” is displayed when the system is activated before a scheduled time period.

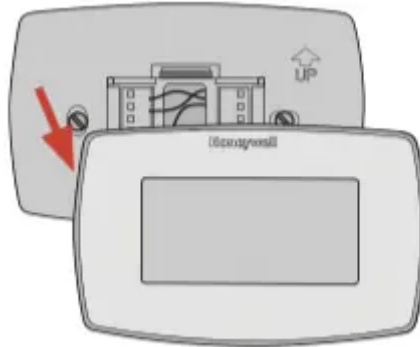
Compressor Protection: This feature forces the compressor to wait a few minutes before restarting, to prevent equipment damage. During the wait time, the message “Wait” is displayed on screen.

Auto Changeover: This feature is used in climates where both air conditioning and heating are used on the same day. When the system is set to Auto, the thermostat automatically selects heating or cooling depending on the indoor temperature. Heat and cool settings must be at least 3 degrees apart. The thermostat will automatically adjust settings to maintain this 3-degree separation.

CAUTION: To avoid possible compressor damage, do not use Auto Changeover if the outside temperature drops below 50°F (10°C).

Battery replacement/Customer assistance

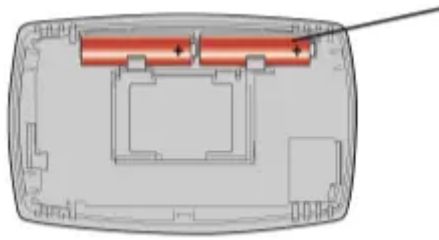
Grasp thermostat and pull to remove from wallplate



Batteries are optional (to provide backup power) if your thermostat was wired to run on AC power when installed.

Install fresh batteries immediately when the LO BATT warning begins flashing. The warning flashes about 30 days before batteries are depleted.

Even if the warning does not appear, you should replace batteries once a year, or before leaving home for more than a month.



Insert 2 fresh AA alkaline batteries

For assistance with this product, please visit yourhome.honeywell or call Honeywell Customer Care toll-free at 1-800-468-1502.

In case of difficulty

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

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.
- If thermostat is battery powered, make sure fresh AA alkaline batteries are correctly installed (see page 17).

No response to key presses (or temperature will 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).

Heating or cooling system does not respond

- Press SYSTEM to set system to Heat. Make sure the temperature is set higher than the Inside temperature.
- Press SYSTEM to set system to Cool. Make sure the temperature is set lower than the Inside temperature.
- Check circuit breaker and reset if necessary.
- Make sure power switch at heating & cooling system is on.
- Make sure furnace door is closed securely.
- If “Wait” is displayed, the compressor protection timer is on. Wait 5 minutes for the system to restart safely, without damaging the compressor (see page 15).

1-year limited warranty

Honeywell warrants this product, excluding battery, to be free from defects in the workmanship or materials, under normal use and service, for a period of one (1) year from the date of purchase by the consumer. If at any time during the warranty period the product is determined to be defective or malfunctions, Honeywell shall repair or replace it (at Honeywell's option).

If the product is defective,

(i) return it, with a bill of sale or other dated proof of purchase, to the place from which you purchased it; or

(ii) call Honeywell Customer Care at 1-800-468-1502. Customer Care will make the determination whether the product should be returned to the following address: Honeywell Return Goods, Dock 4 MN10-3860, 1985 Douglas Dr. N., Golden Valley, MN 55422, or whether a replacement product can be sent to you.

This warranty does not cover removal or reinstallation costs. This warranty shall not apply if it is shown by Honeywell that the defect or malfunction was caused by damage which occurred while the product was in the possession of a consumer.

Honeywell's sole responsibility shall be to repair or replace the product within the terms stated above. HONEYWELL SHALL NOT BE LIABLE FOR ANY LOSS OR DAMAGE OF ANY KIND, INCLUDING ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING, DIRECTLY OR INDIRECTLY, FROM ANY BREACH OF ANY WARRANTY, EXPRESS OR IMPLIED, OR ANY OTHER FAILURE OF THIS PRODUCT. Some states do not allow the exclusion or limitation of incidental or consequential damages, so this limitation may not apply to you.

THIS WARRANTY IS THE ONLY EXPRESS WARRANTY HONEYWELL MAKES ON THIS PRODUCT. THE DURATION OF ANY IMPLIED WARRANTIES, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, IS HEREBY LIMITED TO THE ONE-YEAR DURATION OF THIS WARRANTY.

Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. This warranty gives you specific legal rights, and you may have other rights which vary from state to state.

If you have any questions concerning this warranty, please write Honeywell Customer Relations, 1985 Douglas Dr, Golden Valley, MN 55422 or call 1-800-468-1502.

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.

