

Honeywell

Operating Manual

ENERGY STAR

FocusPRO® TH6000 Series

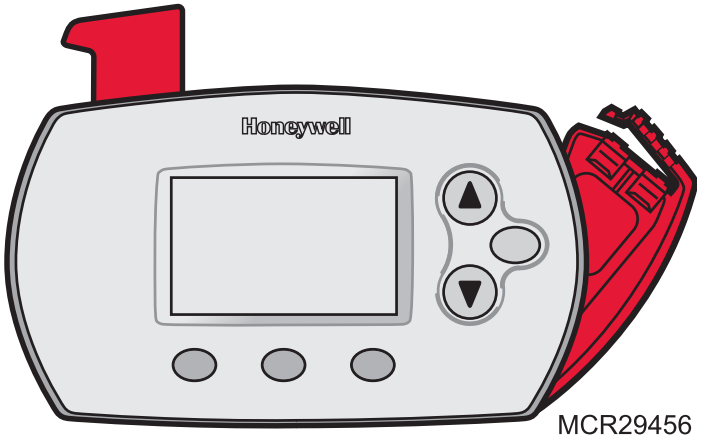
Programmable Thermostat

69-1921EFS-01

ENGLISH

Quick Reference Card

Grasp and pull to see basic operating instructions at a glance.



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Battery Holder

Press down and pull to remove batteries.

Batteries should be replaced once a year (see page 17).

This manual covers the following models:

TH6110D: For 1 Heat/1 Cool systems

TH6220D: For up to 2 Heat/2 Cool systems

TH6320U: For up to 3 Heat/2 Cool systems

(Remove battery holder to find model number)

Need Help?

For assistance with this product please visit **http://yourhome.honeywell.com**
or call Honeywell Customer Care toll-free at **1-800-468-1502**

Read and save these instructions.

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This thermostat is ready to go!

Your new thermostat is pre-programmed and ready to go.
See page 3 to check settings.

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

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About your new thermostat

Congratulations on the purchase of your new Honeywell thermostat. It has been designed to give you many years of reliable service and easy-to-use, push-button climate control.

Features

- Separately programmable weekday/weekend schedules.
- One-touch temp control overrides program schedule at any time.
- EnergyStar® compliant to greatly reduce your heating/cooling expenses.
- Large, clear, backlit display is easy to read — even in the dark.
- Displays both room temperature and temperature setting.
- Removable battery holder for fast, easy replacement.
- Built-in compressor protection.

This thermostat is ready to go!

Your new thermostat is pre-programmed and ready to go. All you have to do is set the time and day. Then check the settings below and change if needed:

1. **Set time and day (required for proper operation)**.....*See page 6*
2. **Select fan setting (Auto/On)**: Preset to Auto.....*To change, see page 7*
3. **Select system setting (Heat/Cool)**: Preset to Heat .....*To change, see page 8*
4. **Program schedules:** Preset to energy-saving levels while you're at work or asleep (assumes you wake at 6 am, leave at 8 am, return at 6 pm and go to bed at 10 pm).....*To change, see pages 9-11*

You can override the program schedule at any time, and manually adjust the temperature (see pages 12-13).

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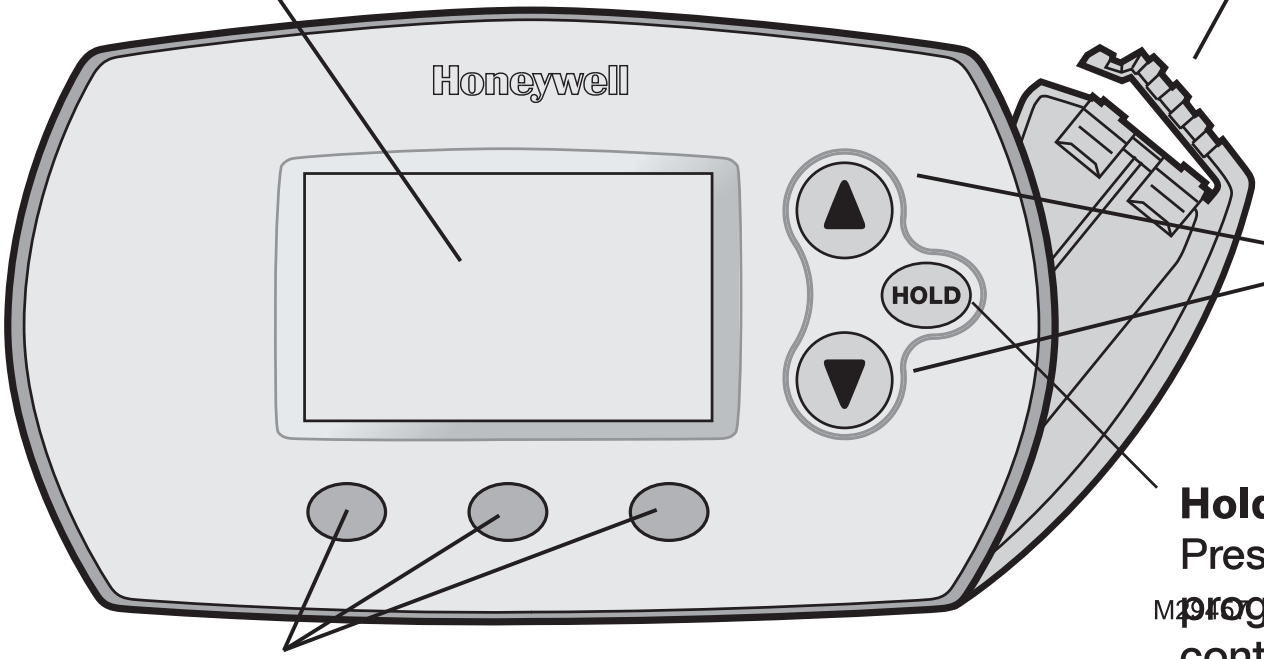
Quick reference to controls

Digital display (see page 5).

Battery holder (see page 17).

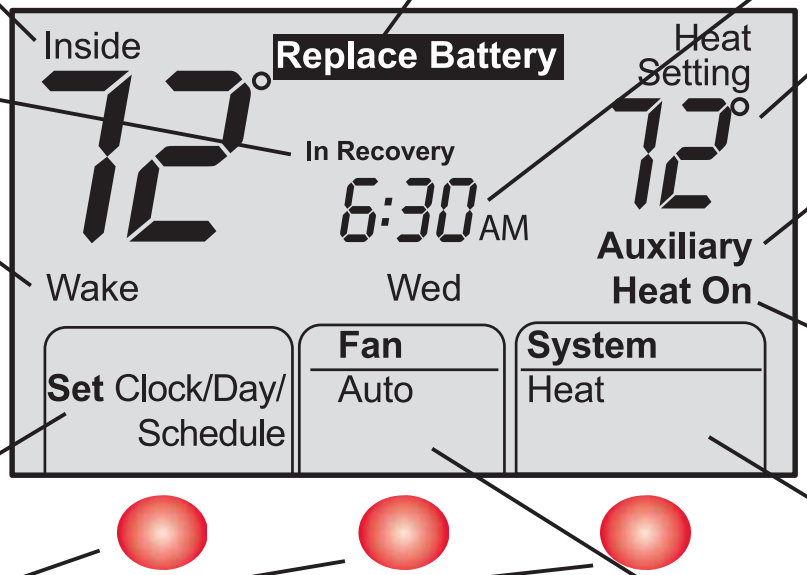


Temperature Buttons
Press to adjust temperature settings (see page 11-13).

Hold Button
Press to override programmed temperature control (see page 13).

Function Buttons
Press to select the function displayed just above each button. (Functions change depending on the task.)

Quick reference to display screen



Current inside temperature

Low battery warning
(see page 17)

Current time/day
(see page 6)

In Recovery
(see page 16)

Temperature setting
(see pages 11-13)

Current program period
Wake/Leave/Return/Sleep
(see pages 9-11)

Auxiliary heat
(Only for heat pumps with auxiliary heat)

System status
Heat On/Cool On (If flashing, see page 15)

Set Clock/Day/Schedule
(see pages 6 & 11)

System setting
Heat/Cool/Auto/Off/Em Heat (see page 8)

Function buttons
Press the button beneath each function to view or change settings (functions change depending on the task)

Fan setting
Auto/On (see page 7)

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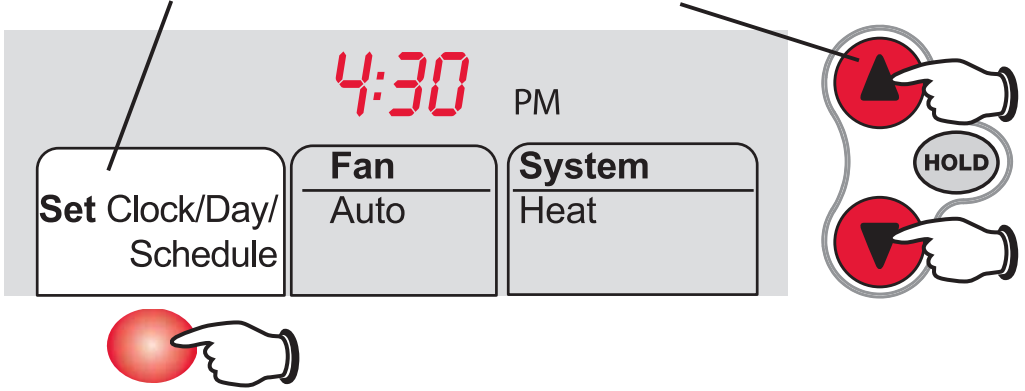
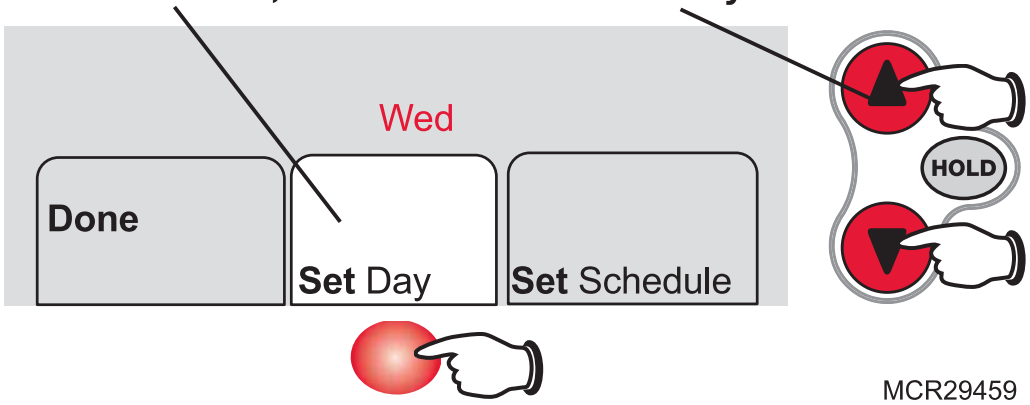
Set the time and day

Press **SET CLOCK/DAY/SCHEDULE**, then adjust time



Press **SET DAY**, then select current day



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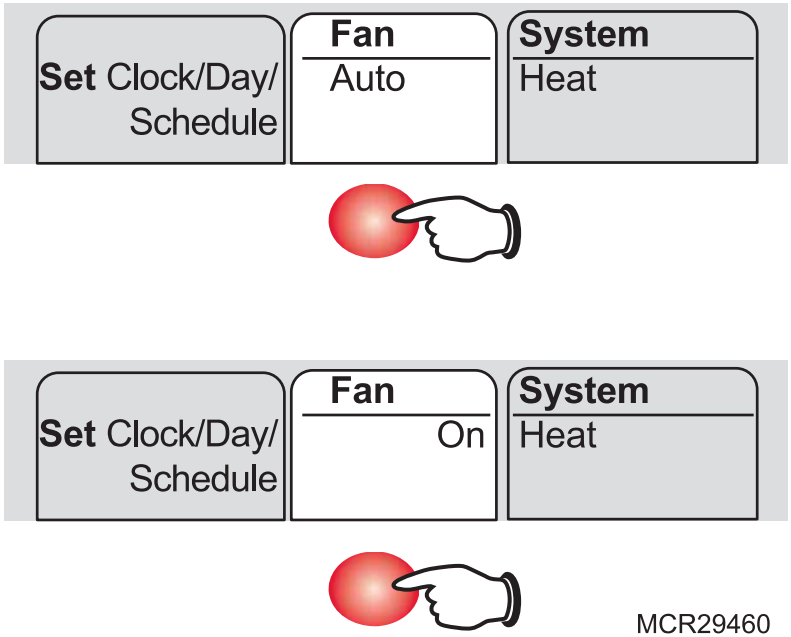
1. Press the **SET CLOCK/DAY/SCHEDULE** button, then press ▲ or ▼ to set the clock time.
2. Press the **SET DAY** button, then press ▲ or ▼ to select the day of the week.
3. Press **DONE** to save & exit.

Note: If the **SET CLOCK/DAY/SCHEDULE** option is not displayed, press **DONE** or **RUN SCHEDULE.**

Note: If the display flashes Set Clock, the thermostat will follow your settings for the weekday "Wake" time period until you reset the time and day.

Select the fan setting



Press the **FAN** button to select 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.

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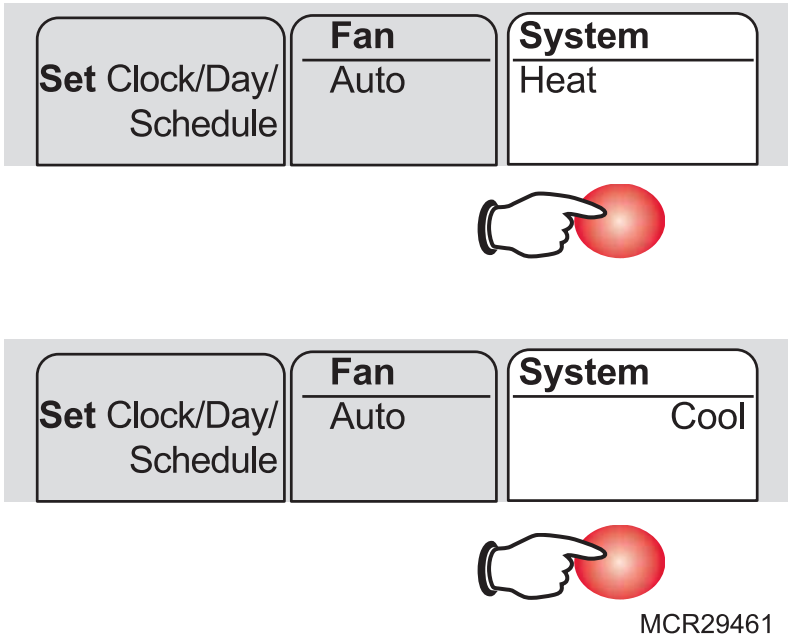
Select the system setting



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

Press the **SYSTEM** button to select:

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

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°

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



LEAVE
8:00 am
62°

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



RETURN
6:00 pm
70°

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



SLEEP
10:00 pm
62°

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

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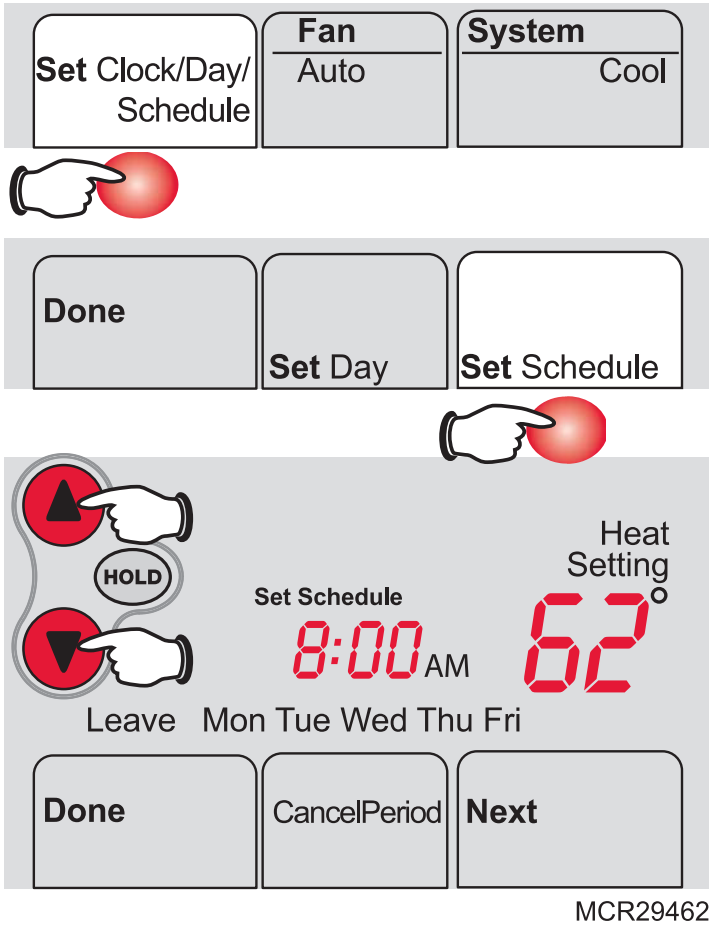
EnergyStar® settings for maximum cost savings

This thermostat is pre-set to use EnergyStar® program settings. We recommend these settings, since they can reduce your heating/cooling expenses by as much as 33%. (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°	75°	70°	75°
Leave (8:00 am)		62°	83°	62° [Or cancel period]	83° [Or cancel period]
Return (6:00 pm)		70°	75°	70° [Or cancel period]	75° [Or cancel period]
Sleep (10:00 pm)		62°	78°	62°	78°

To adjust program schedules



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1. Press **SET CLOCK/DAY/SCHEDULE**, then **SET SCHEDULE.**
2. Press ▲ or ▼ to set your weekday Wake time (Mon–Fri), then press **NEXT.**
3. Press ▲ or ▼ to set the temperature for this time period, then press **NEXT.**
4. Set time and temperature for the next time period (Leave). Repeat steps 2 and 3 for each weekday time period.
5. Press **NEXT** to set weekend time periods (Sat-Sun), then press **DONE** to save & exit.

Note: Make sure the thermostat is set to the system you want to program (Heat or Cool).

Note: You can press **CANCEL PERIOD** to eliminate unwanted time periods (except Wake).

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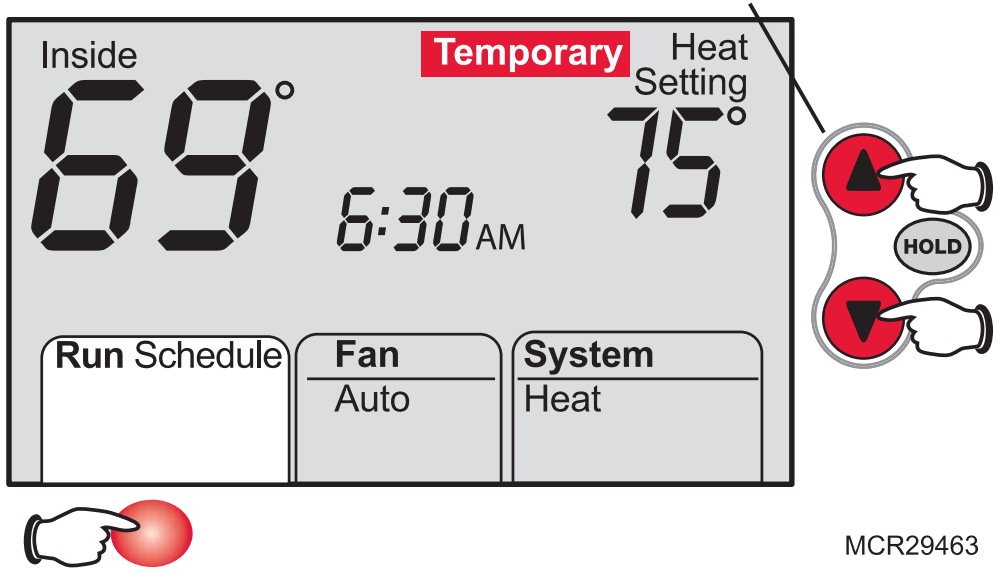
Program schedule override (temporary)

Press to temporarily adjust temperature.



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Press to cancel temporary setting and resume program schedule.

Note: Make sure the thermostat is set to the system you want to control (heat, cool or auto).

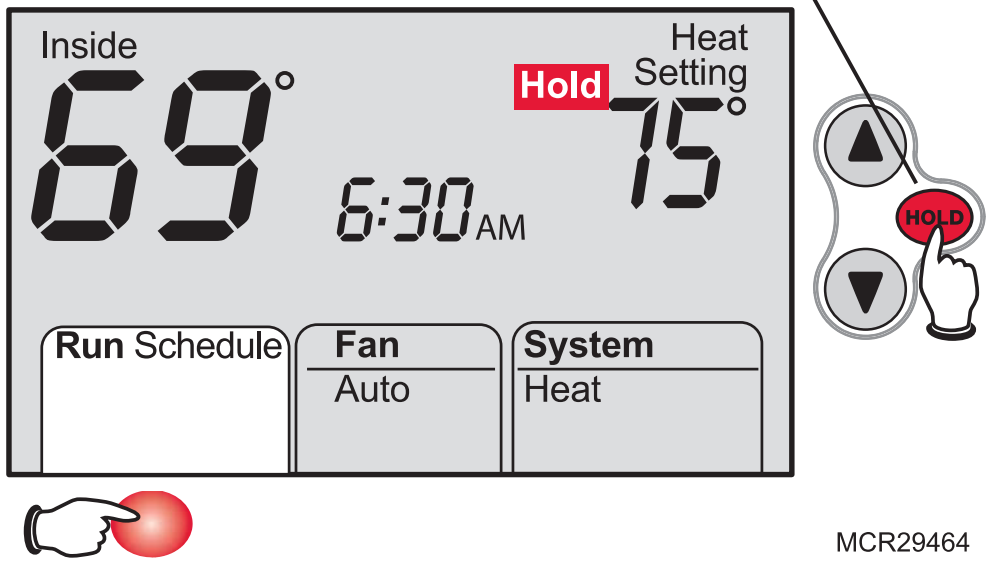
Press ▲ or ▼ to immediately adjust the temperature. This will temporarily override the temperature setting for the current time period.

The new temperature will be maintained only until the next programmed time period begins (see page 10). For example, if you want to turn up the heat early in the morning, it will automatically be lowered later, when you leave for the day.

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

Program schedule override (permanent)

Press to permanently adjust temperature.



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Press to cancel “Hold” setting and resume program schedule.

Note: Make sure the thermostat is set to the system you want to control (heat, cool or auto).

Press **HOLD** to permanently adjust the temperature. This will override the temperature settings for all time periods.

The “Hold” feature turns off the program schedule and allows you to adjust the thermostat manually, as needed.

Whatever temperature you set will be maintained 24 hours a day, until you manually change it, or press **RUN SCHEDULE** to cancel “Hold” and resume the programmed schedule.

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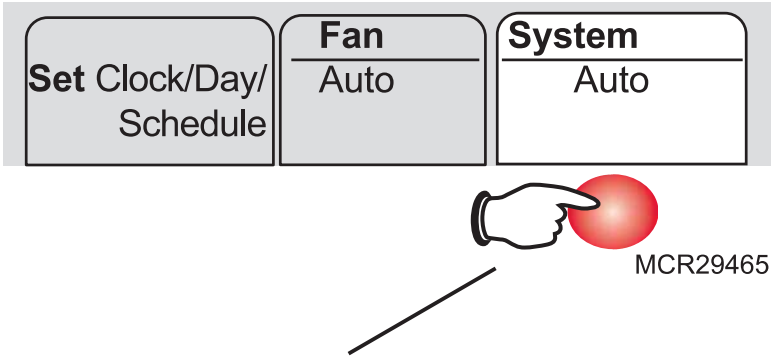
Auto changeover (heat/cool)



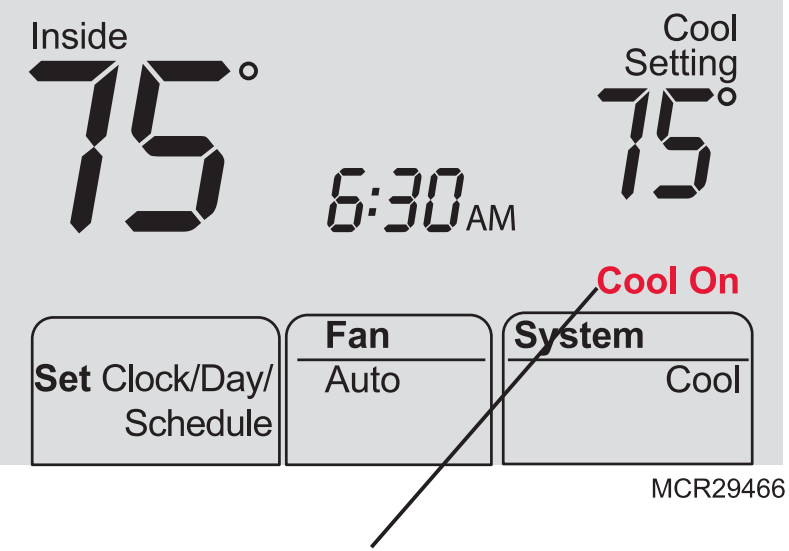
Note: The Auto system setting may not appear, depending on how your thermostat was installed.

Auto Changeover is a feature 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 (called “deadband”).

The 3-degree separation between heating and cooling set temperatures is fixed, and cannot be changed.

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 for a few minutes before restarting.

During the wait time, the display will flash the message Cool On (or Heat On if you have a heat pump). When the safe wait time has elapsed, the message stops flashing and the compressor turns on.

Adaptive Intelligent Recovery™ (AIR)

Adaptive Intelligent Recovery eliminates guesswork when setting your schedule. It allows the thermostat to "learn" how long your furnace and air conditioner take to reach the temperature you want.

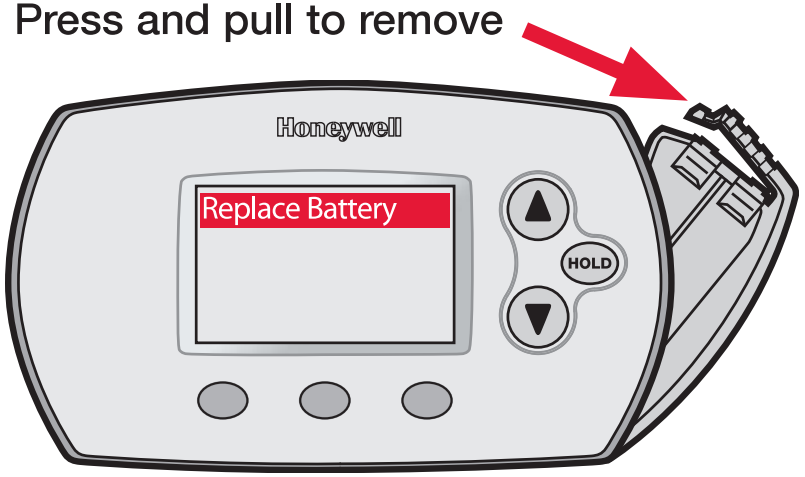
Just set your program schedule to the time you want the house to reach your desired temperature. The thermostat then turns on the heating or cooling at just the right time to reach your scheduled temperature at your scheduled time.

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.

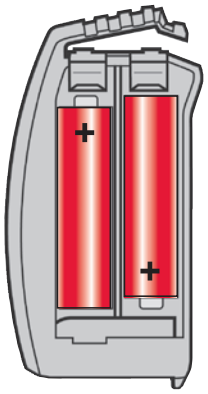
Note: When Adaptive Intelligent Recovery is in effect, the thermostat will display "In Recovery".

Battery replacement

Press and pull to remove



Insert fresh AA alkaline batteries, then reinstall battery holder.



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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 **REPLACE BATTERY** warning begins flashing. The warning flashes about two months before the 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.

If batteries are inserted within two minutes, the time and day will not have to be reset. All other settings are permanently stored in memory, and do not require battery power.

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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).

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).

To restore Energy Star® default settings

Follow these steps to restore Energy Star default settings (see page 10):

1. Press **SET CLOCK/DAY/SCHEDULE.**
2. Press **SET SCHEDULE.**
3. Press **DONE** and **NEXT** at the same time for 4 seconds.

In case of difficulty

Heating or cooling system does not respond

- Press **SYSTEM** button to set system to Heat. Make sure the temperature is set higher than the Inside temperature.
- Press **SYSTEM** button 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.
- Wait 5 minutes for the system to respond.

“Cool On” or “Heat On” is flashing

- Compressor protection feature is engaged. Wait 5 minutes for the system to restart safely, without damage to the compressor (see page 15).

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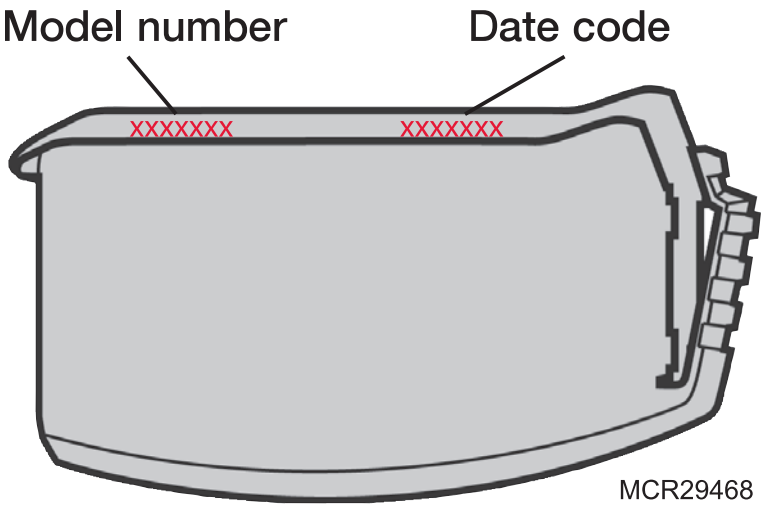
Customer assistance





For assistance with this product, please visit **http://yourhome.honeywell.com**.

Or call Honeywell Customer Care toll-free at **1-800-468-1502**.

To save time, please remove the battery holder and note your model number and date code before calling.

Accessories/replacement parts

To order, please call Honeywell Customer Care toll-free at **1-800-468-1502**.

Battery holder..... Part No. 50007072-001
Cover plate assembly* ..... Part No. 50002883-001

*Use to cover marks left by old thermostats.

5-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 five (5) years 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, 1885 Douglas Dr. N., Golden Valley, MN 55422, or whether a replacement product can be sent to you.

5-year limited warranty

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.

5-year limited warranty

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 FIVE-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. In Canada, write Retail Products ON15-02H, Honeywell Limited/Honeywell Limitée, 35 Dynamic Drive, Scarborough, Ontario M1V4Z9.

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