

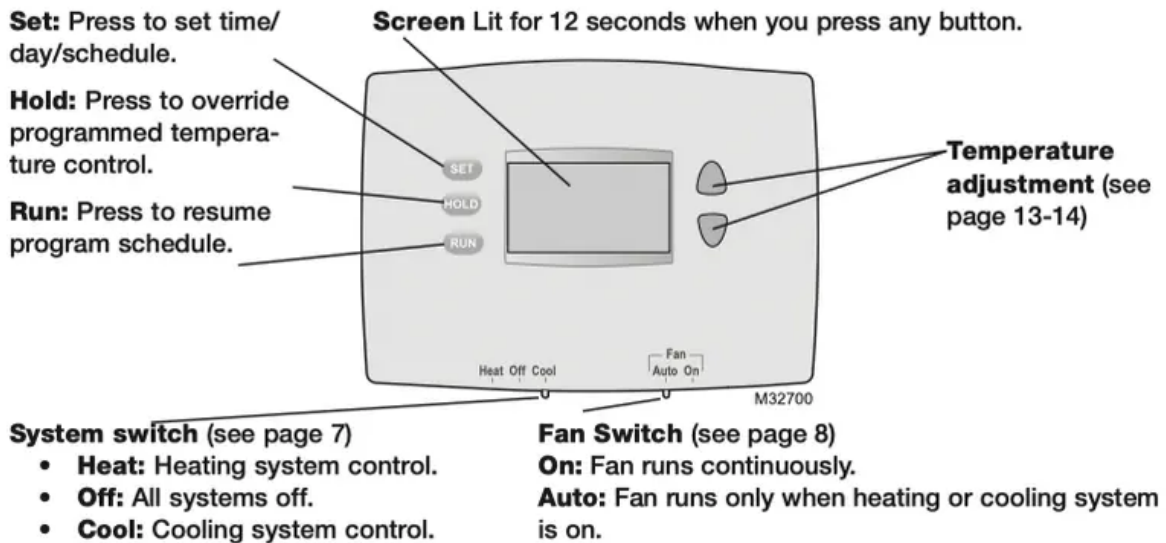
About your new thermostat

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 on RTH2300
- Displays ambient (measured) temperature at all times
- One-touch access to setpoint temperature
- Preset program settings
- Temporary and permanent override of schedule
- Built-in compressor protection

Quick reference to controls



Set: Press to set time/ day/schedule.

Hold: Press to override programmed temperature control.

Run: Press to resume program schedule.

Screen Lit for 12 seconds when you press any button.

System switch (see page 7)

- Heat: Heating system control.
- Off: All systems off.

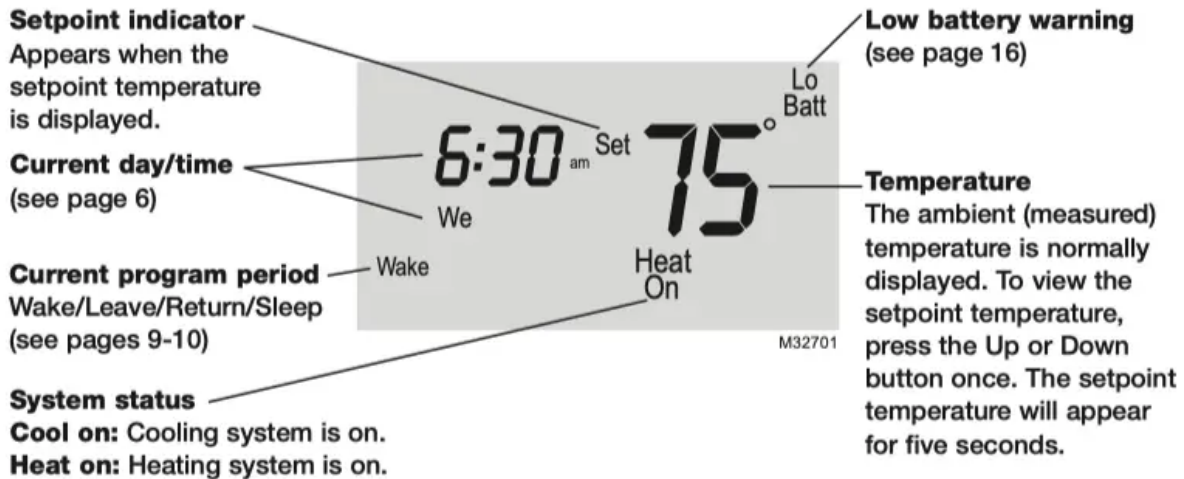
- Cool: Cooling system control.

Fan Switch (see page 8)

On: Fan runs continuously.

Auto: Fan runs only when heating or cooling system is on.

Quick reference to display screen



When Cool On is flashing, compressor protection is engaged (see page 15).

Setpoint indicator Appears when the setpoint temperature is displayed.

Current day/time (see page 6)

Current program period Wake/Leave/Return/Sleep (see pages 9-10)

System status

Cool on: Cooling system is on.

Heat on: Heating system is on.

Low battery warning (see page 16)

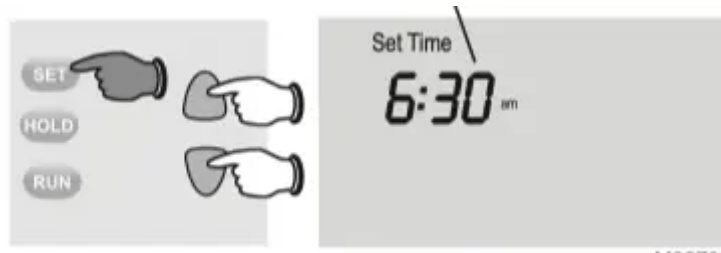
Temperature The ambient (measured) temperature is normally displayed. To view the setpoint temperature, press the Up or Down button once. The setpoint temperature will appear for five seconds.

When Cool On is flashing, compressor protection is engaged (see page 15).

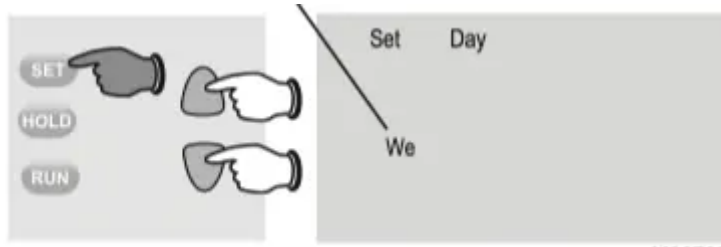
Programming & Operation

Set the time and day

Press SET, then adjust time.



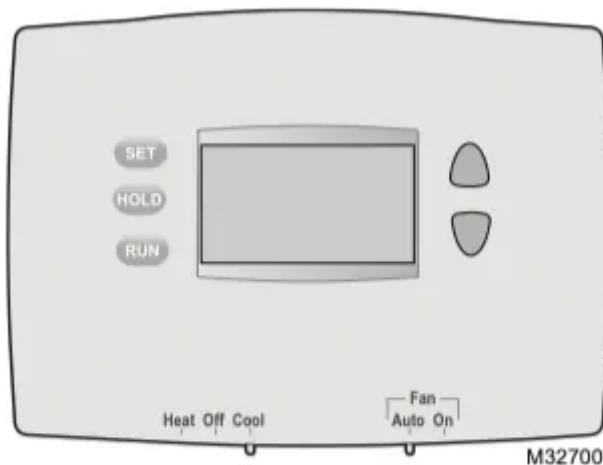
Press SET, then select current day.



1. Press the SET button, then press ▲ or ▼ to set the clock time.
2. Press the SET button, then press ▲ or ▼ to select the day of the week.
3. Press RUN to save & exit.

Note: If the clock flashes, the thermostat will follow your settings for the Monday “Wake” time period until you reset the time and day.

Select the system setting



Set SYSTEM switch to control the heating or cooling system.

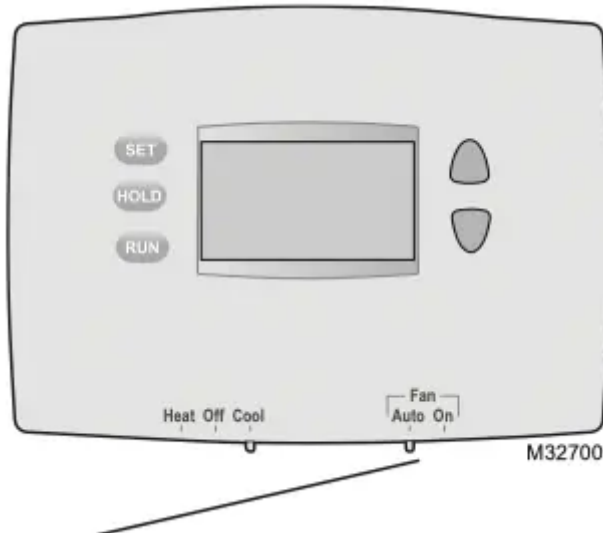
The SYSTEM switch can be set to control your heating or cooling system, depending on the season.

- Cool: Cooling system control.

- Off: All systems are off.
- Heat: Heating system control.

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 FAN switch to choose whether the fan runs continuously or only as needed.

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.





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.

	Set to the time you awaken and the temperature you want during the morning, until you leave for the day.
	Set to the time you leave home and the temperature you want while you are away (usually an energy-saving level).
	Set to the time you return home and the temperature you want during the evening, until bedtime.
	Set to the time you go to bed and the temperature you want overnight (usually an energy-saving level).

About your new thermostat Energy saving settings for maximum cost savings

This thermostat is pre-set to use energy saving 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°	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 (RTH2300)

Press SET 3 times, then adjust time.



Press SET, then set desired temperature.

1. Press SET until Set Schedule is displayed.
2. Press ▲ or ▼ to set your weekday Wake time (Mo-Fr), then press SET.
3. Press ▲ or ▼ to set the temperature for this time period, then press SET.
4. Set time and temperature for the next time period (Leave). Repeat steps 2 and 3 for each weekday time period.
5. Press SET to set weekend time periods (Sa & Su), then press RUN to save & exit.

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

To adjust program schedules (RTH221)

Press SET 3 times, then adjust time.



Press SET, then set desired temperature.

1. Press SET until Set Schedule is displayed.
2. Press ▲ or ▼ to set your Wake time (Mo-Su), then press SET.
3. Press ▲ or ▼ to set the temperature for this time period, then press SET.
4. Set time and temperature for the next time period (Leave). Repeat steps 2 and 3 for each time period.
5. Press RUN to save & exit.

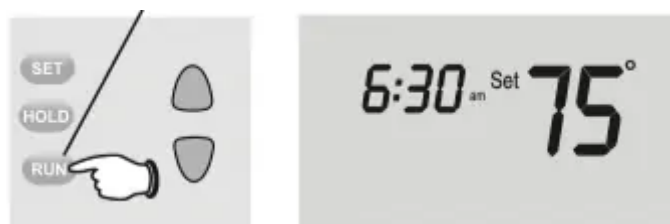
Note: Make sure the thermostat is set to the system you want to program (Heat or Cool).

Program your schedule thermostat (temporary)

Press to temporarily adjust temperature.



Press to cancel temporary setting and resume program schedule.



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

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

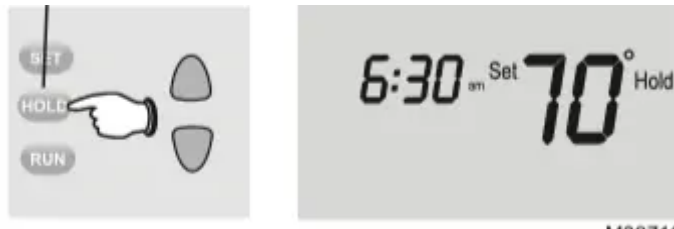
“Temporary” will appear on the display and the current program period will flash.

The new temperature will be maintained only until the next programmed time period begins (see page 9).

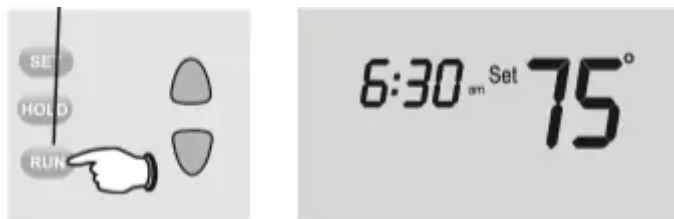
To cancel the temporary setting at any time, press RUN.

Program your schedule thermostat (permanent)

Press to permanently adjust temperature.



Press to cancel "Hold" setting and resume program schedule.



Note: Make sure the thermostat is setM32709 to the system you want to control (heat or cool).

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 to cancel "Hold" and resume the program schedule.

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.

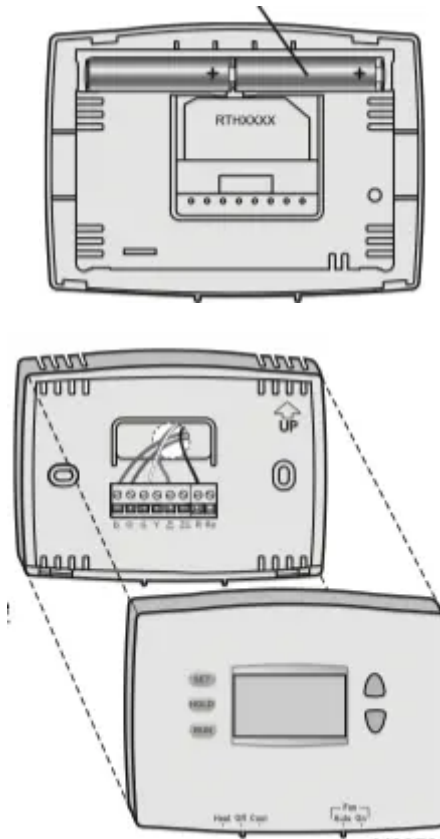
During the wait time, the display will flash the message Cool On (or Heat On if you have a heat pump). When the safe wait time has elapsed, the message stops flashing and the compressor turns on.

Appendices

Battery replacement

Pull at bottom to remove thermostat from wallplate.

Turn thermostat over, insert fresh AAA alkaline batteries, then reinstall thermostat.



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.

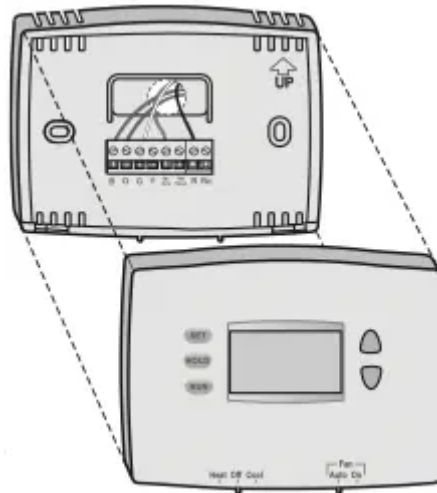
Most settings are stored in nonvolatile (permanent) memory. Only the clock and the day must be set after you replace the batteries.



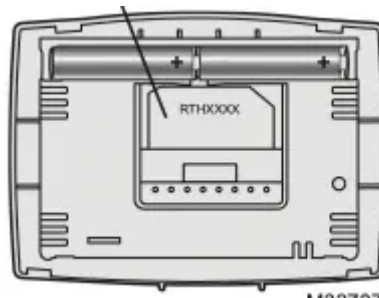
Set the System switch to Off before removing the batteries. Otherwise, the heating/cooling system could remain activated even when batteries are removed.

Customer assistance

Pull at bottom to remove thermostat from wallplate.



Turn thermostat over to find model number and date code.



For assistance with this product, please visit yourhome.honeywell

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

To save time, please note your model number and date code before calling.

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	<ul style="list-style-type: none"> • Make sure furnace door is closed securely. • Make sure fresh AAA alkaline batteries are correctly installed (see page 16).
Heating or cooling system does not respond	<ul style="list-style-type: none"> • Set system switch to Heat (see page 7). Make sure the temperature is set higher than the Inside temperature. • Set system switch to Cool (see page 7). Make sure the temperature is set lower than the Inside temperature. • Wait 5 minutes for the system to respond.
Temperature settings do not change	<p>Make sure heating and cooling temperatures are set to acceptable ranges:</p> <ul style="list-style-type: none"> • Heat: 40° to 90°F (4.5° to 32°C). • Cool: 50° to 99°F (10° to 37°C).
“Cool On” or “Heat On” is flashing	<ul style="list-style-type: none"> • Compressor protection feature is engaged. Wait 5 minutes for the system to restart safely, without damage to the compressor (see page 15).
“Heat On” is not displayed	<ul style="list-style-type: none"> • Set the System switch to Heat, and set the temperature level above the current room temperature (see page 7).
“Cool On” is not displayed	<ul style="list-style-type: none"> • Set the System switch to Cool, and set the temperature level below the current room temperature (see page 7).

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, 1885 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. In Canada, write Retail Products ON15-02H, Honeywell Limited/ Honeywell Limitée, 35 Dynamic Drive, Toronto, Ontario M1V4Z9.

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.

