

## About your new thermostat

### Features of your Wi-Fi thermostat

With your new thermostat, you can:

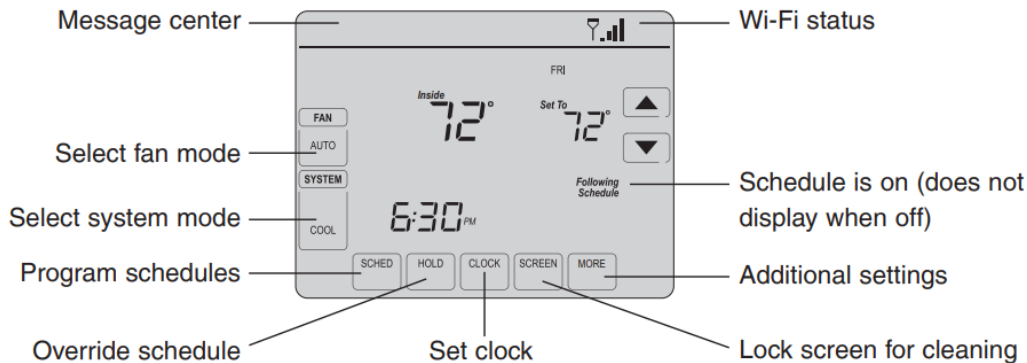
- Connect to the Internet to monitor and control your heating/cooling system
- View and change your heating/cooling system settings
- View and set temperature and schedules
- Receive alerts via email and get automatic upgrades

Your new thermostat provides:

- Smart Response Technology
- Compressor protection
- Heat/cool auto changeover

### Home screen quick reference





- Once your Wi-Fi thermostat is installed, it will display the home screen. Portions of this display will change depending on how you are viewing it. To change settings, simply press the appropriate area lightly with your finger.



- Unless you change the lighting function, the screen is always lit at low intensity. When you touch the screen, the screen brightens.

### Preset energy-saving schedules

- This thermostat is pre-set with energy-saving program settings for four time periods. Using the default settings can reduce your heating/cooling expenses if used as directed. Savings may vary depending on geographic region and usage.

		Default Heat Settings	Default Cool Settings
	<b>WAKE</b> 6:00 am	70°	78°
	<b>LEAVE</b> 8:00 am	62°	85°
	<b>RETURN</b> 6:00 pm	70°	78°
	<b>SLEEP</b> 10:00 pm	62°	82°

- To change the settings, see pages 16–17.

## Setting up your thermostat

Setting up your Wi-Fi programmable touchscreen thermostat is easy. It is preprogrammed and ready to go as soon as it is installed and registered.

1. Install your thermostat.
2. Connect it to your home wireless network.
3. Register online for remote access.



Before you begin, you may want to watch a brief installation video. Use the QR Code® at the front of this guide, or go to [wifithermostat.com/support](http://wifithermostat.com/support)

## Installation

### Installing your thermostat

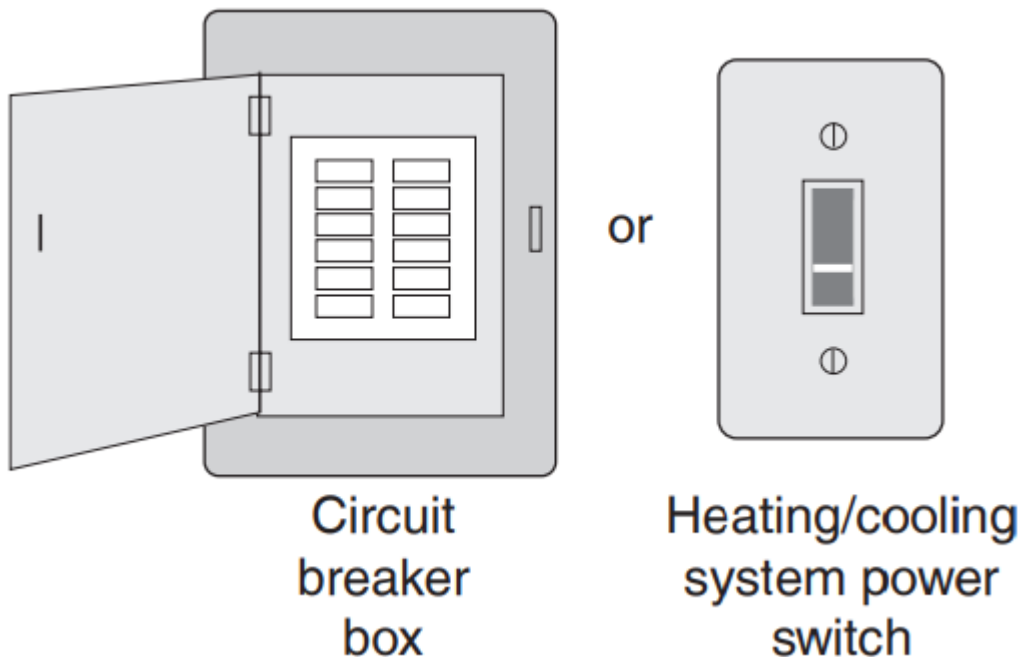
You might need the following tools to install this thermostat:

- No. 2 Phillips screwdriver
- Small pocket screwdriver
- Pencil

- Level (optional)
- Drill and bits (3/16" for drywall, 7/32" for plaster) (optional)
- Hammer (optional)
- Electrical tape (optional)

1. Switch OFF power to your heating/cooling system.

Important! To protect your equipment, switch OFF the power to your heating/ cooling system at the breaker box or the system switch.



2. Remove old thermostat faceplate and leave wires connected.



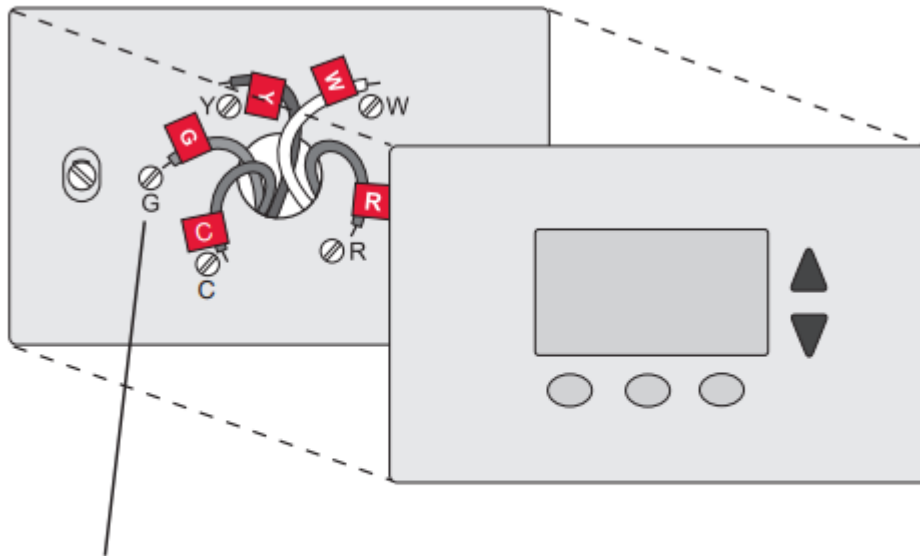
2a. Take a picture of the wire connections for later reference.



2b. If no wire is connected to a terminal labeled C or no C terminal exists on the old thermostat, view the Alternate Wiring videos at [wifithermostat.com/videos](http://wifithermostat.com/videos)

Important! C wire is required and is the primary power source for your thermostat. Without a C wire, your thermostat will not power up

If you have an older thermostat with a sealed mercury tube, turn to page ii for proper disposal instructions.



**Terminal  
designation**

### 3. Label wires.

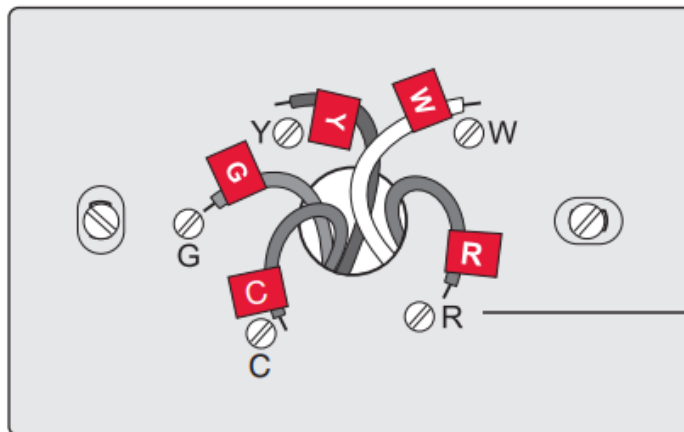
Do not label by wire color. Use the supplied sticky tags to label each wire as you disconnect it. Label wires according to the old thermostat terminal designations, not by wire color.

Note: If no tag matches a terminal designation, write the appropriate letter on a blank sticky tag.



Sticky tag

Blank tags



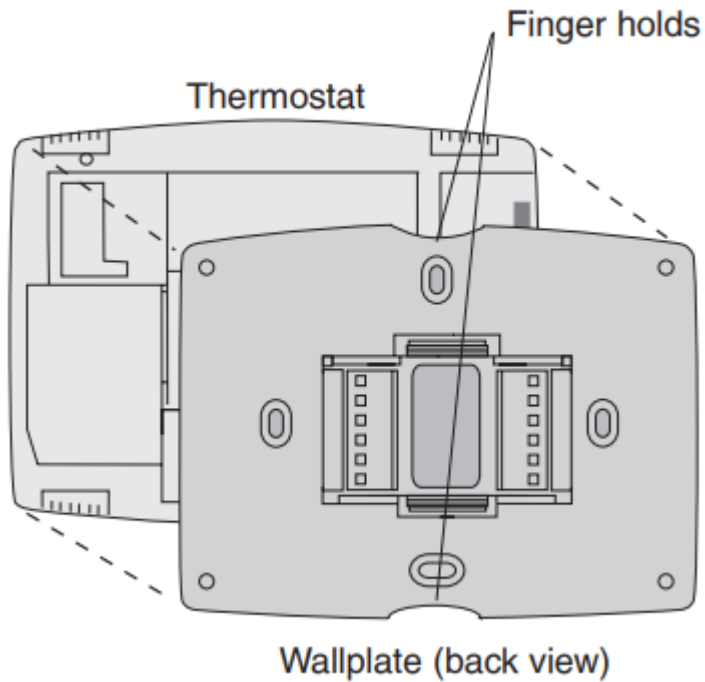
Terminal designation

4. Remove wallplate.

Remove the old wallplate from the wall after all wires have been labeled and disconnected.

5. Separate Wi-Fi thermostat and its wallplate.

On your new thermostat, grasp the finger holds on the top and bottom of the wallplate with one hand and the thermostat (front) with the other hand. Pull pieces apart



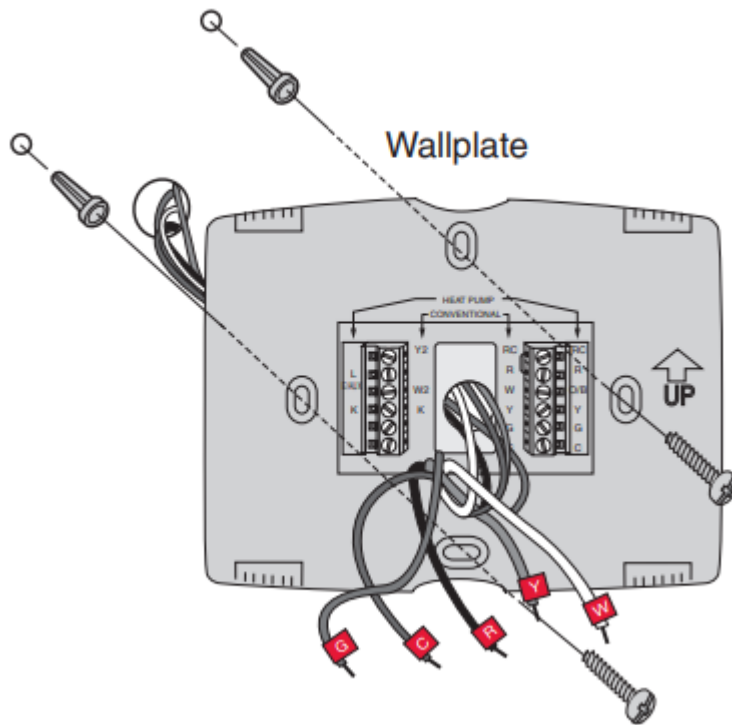
6. Mount wallplate for Wi-Fi thermostat.

Mount your new wallplate using screws and anchors included with the thermostat.

If necessary:

- Drill 3/16-in holes for drywall.
- Drill 7/32-in holes for plaster.

Note: You may be able to use your existing wall anchors. Hold the wallplate up to the existing anchors to check for alignment.



Important! The Wi-Fi thermostat requires a C wire to operate. The C, or common, wire brings 24 VAC power to the thermostat. Many older mechanical or battery operated thermostats do not require a C wire. If you don't have a C wire, try:

- Looking for an unused wire that is pushed into the wall. Connect that wire to C and check that it is connected to the 24 VAC common at your heating/cooling system. Check the video section at [wifithermostat.com](http://wifithermostat.com)

Note: Not all heating/cooling systems label the 24 VAC common C. Check your system manual or contact the manufacturer to find out which terminal is the 24 VAC common.



View the Alternate Wiring videos at [wifithermostat.com/videos](http://wifithermostat.com/videos)

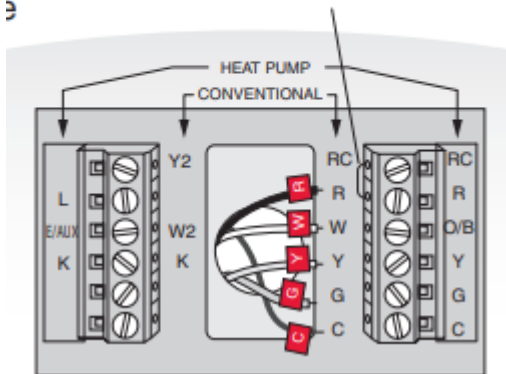
## Wiring

- For conventional heating/cooling systems (natural gas, oil or electric furnace, air conditioner), see page 6. See “Glossary” on page 27 for further definition.
- For a heat pump system, see page 7. See “Glossary” on page 27 for further definition.

### Wiring (conventional system)

7A. Wire the Wi-Fi thermostat to your conventional system.

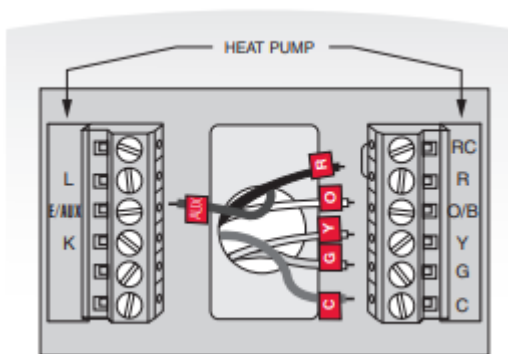
1. Remove metal jumper **only** if you have both **R** and **RC** wires



- a. Starting with the C Wire, match the sticky tag on the wire to the terminal labels. You must have a C wire. See page 6.
- b. Loosen screw, insert wire on inside edge of terminal, then tighten screw.
- c. Verify wire is firmly secured by gently pulling on wire.
- d. Repeat steps a–c for all other wires.
- e. Push any excess wire back into the wall opening after all wires are installed.
- f. Continue to page 9.

Labels don't match? See alternate wiring key on page 7.

#### 7B. Wire Wi-Fi thermostat to your heat pump.



- a. Starting with the C Wire, match the sticky tag on the wire to the terminal labels. You must have a C wire. See page 6.
- b. Loosen screw, insert wire on inside edge of terminal, then tighten screw.
- c. Verify wire is firmly secured by gently pulling on wire.
- d. Repeat steps a–c for all other wires.
- e. Push any excess wire back into the wall opening after all wires are installed.
- f. Continue to page 9

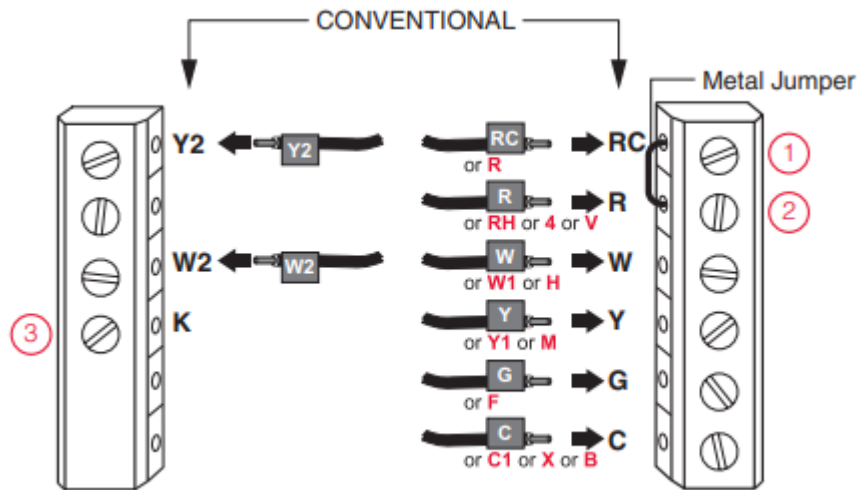
Note: If old thermostat has separate wires on AUX and E, place both wires into the E/AUX terminal. If old thermostat has wire on AUX with a jumper to E, place wire on E/AUX terminal. No jumper is required.

Note: The wiring for your application might be different than the wiring from above.

### Alternate wiring (conventional system)

Use this if your wire labels don't match the terminal labels.

Note: You must have a C wire or equivalent. See page 6.

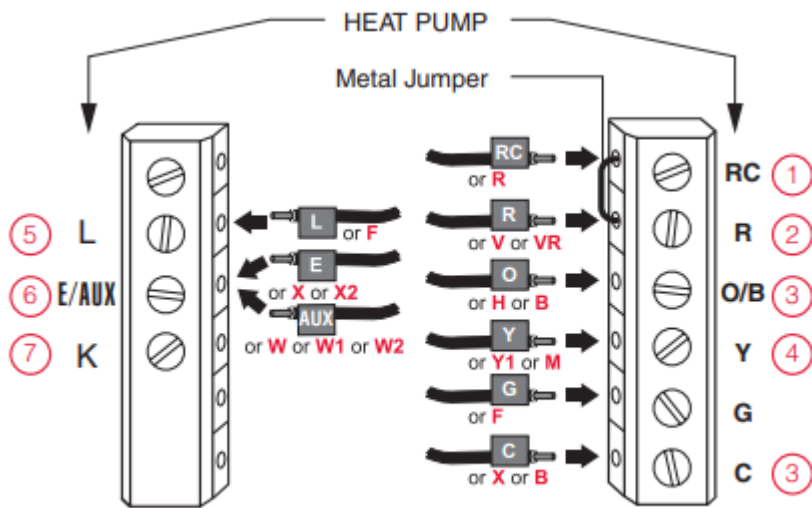


### Alternate wiring key (conventional system)

1. Remove metal jumper connecting R and RC only if you must connect both R and RC.
2. If your old thermostat had both R and RH wires, remove metal jumper. Connect the R wire to the RC terminal, and the RH wire to the R terminal.
3. Do not use K terminal. For future use

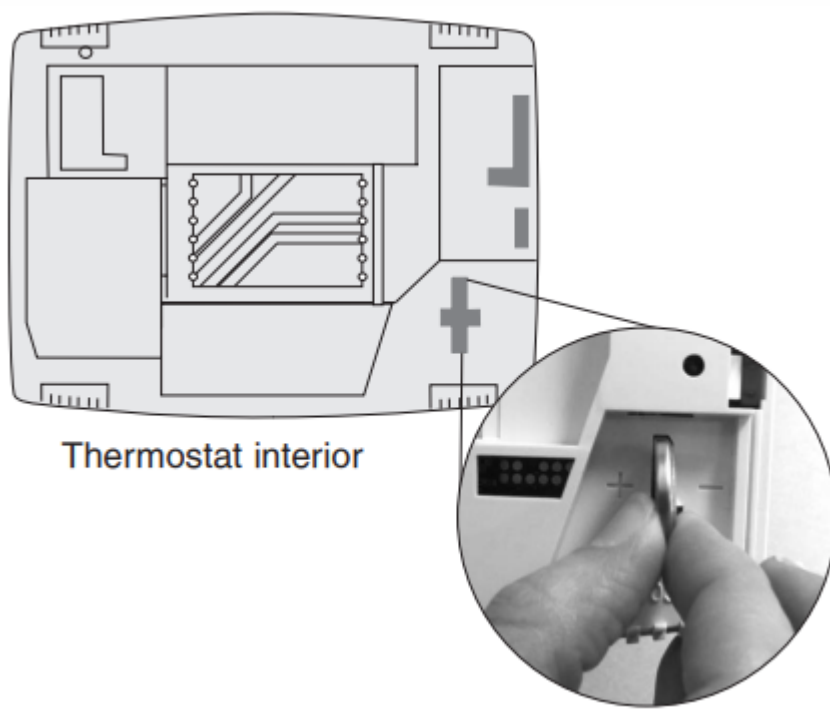
### Alternate wiring (heat pump system only)

Use this if your wire labels don't match the terminal labels.



### Alternate wiring key (heat pump system only)

1. Leave metal jumper between R and RC terminals in place.
2. If your old thermostat had both V and VR wires, check [wifithermostat.com](http://wifithermostat.com) for help.
3. If your old thermostat had separate O and B wires, attach the B wire to the C terminal. If another wire is attached to the C terminal, check [wifithermostat.com](http://wifithermostat.com) for help. Attach the O wire to the O/B terminal. Set System Function 0190 to 0 (see page 22). If your old thermostat had an O wire and not a B wire, attach the O wire to the O/B terminal.
4. If your old thermostat had separate Y1, W1 and W2 wires, check [wifithermostat.com](http://wifithermostat.com) for help.
5. This is the system monitor. If the monitor finds a problem, you will see a red light in the upper right corner of the thermostat (shines through the cover).
6. If old thermostat has separate wires on AUX and E, place both wires into the E/AUX terminal. If old thermostat has wire on AUX with a jumper to E, place wire on E/AUX terminal. No jumper is required.
7. Do not use K terminal. For future use.
8. Install battery.



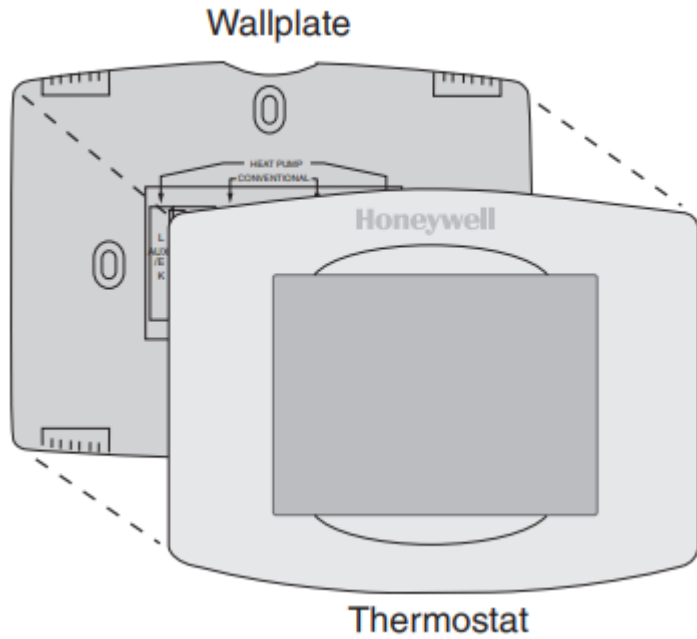
Insert the coin cell battery (included), observing the correct polarity.

Note: A correctly inserted battery will extend about halfway out of the battery slot on the thermostat, allowing for easier removal.

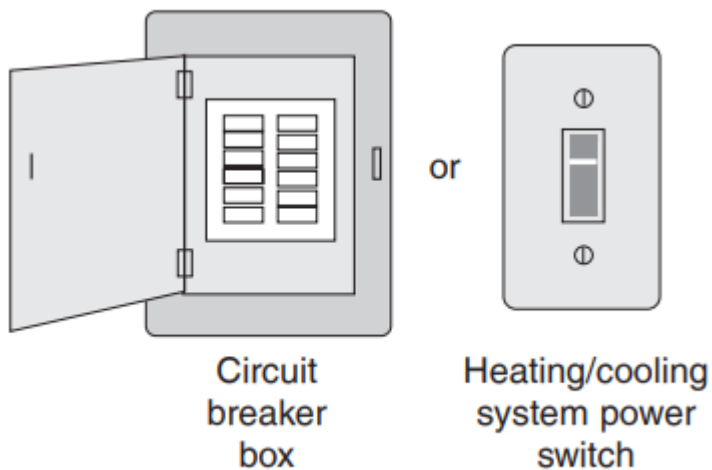
This battery maintains time and date during power outages. It does not power the thermostat (C wire required).

9. Attach thermostat to wallplate.

Align the thermostat to the wallplate and then snap into place.



10. Switch heating/cooling system ON.



**Important!**

10a. Verify that the C wire is connected at the thermostat and at the heating/cooling system.

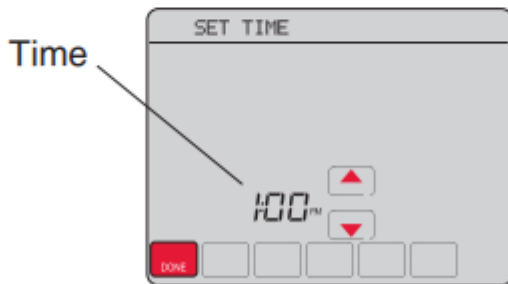
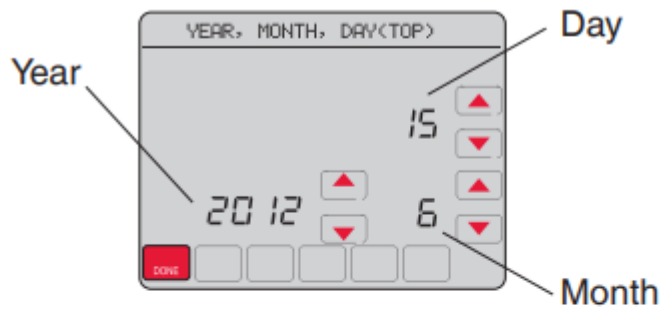
10b. Make sure the heating/ cooling system door is firmly secured.

10c. Switch power back ON for your heating/cooling system at the breaker box or its power switch.

11. Set date and time.

Touch ▲ or ▼ buttons to change displayed time and date.

Press and hold a button to quickly change a setting.



Note: This thermostat will automatically update for daylight saving time (if observed in your area) and all date/time information is stored. If the thermostat is connected to Wi-Fi and registered to Total Connect Comfort, the current time is updated from the internet.

12. Determine your heating/cooling system type.

Important! Heating/cooling system type must be set so that your thermostat operates properly and does not damage your system

12a. If you have a traditional system (natural gas forced air with A/C), your thermostat is set up by default to control this system.

12b. If your system is:

- Conventional multistage heat and cool
- Any type of heat pump
- Hydronic
- Other

If you are not sure of your heating/cooling system type or have other questions, go to [wifithermostat.com](http://wifithermostat.com)

You MUST change the system type by setting system function 0170. See page 22 to match your thermostat to your system type.

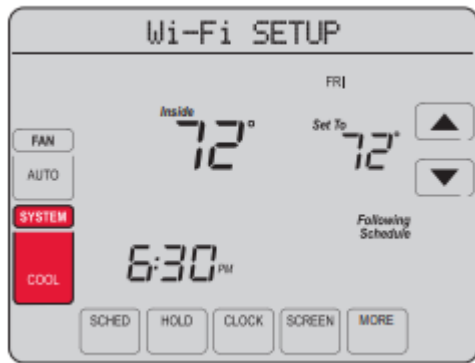
You MUST change the system type by setting system function 0170. See page 22 to match your thermostat to your system type.



13. Test your thermostat.

13a. Press the SYSTEM button to change to heating or cooling and begin operation.

13b. For remote access to your thermostat, continue to “Connecting to your Wi-Fi network” on page 11.



Heating/cooling system not turning on? Refer to page 26 or FAQ at [wifithermostat.com/support](http://wifithermostat.com/support)

## Connecting to your Wi-Fi network

To complete this process, you must have a wireless device connected to your home wireless network. Any of these device types will work:

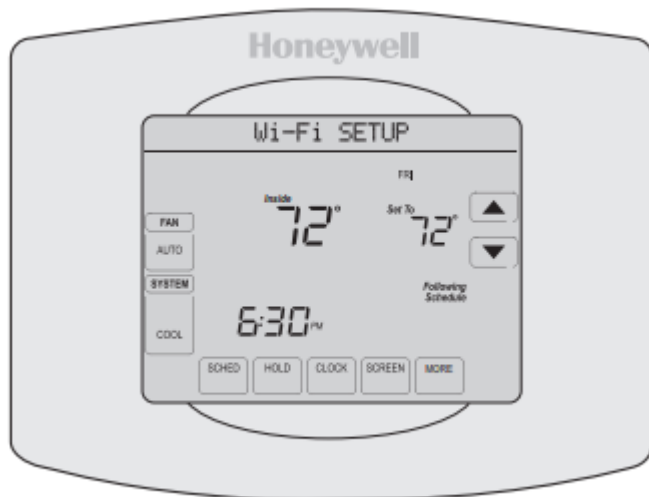
- Tablet (recommended)
- Laptop (recommended)
- Smartphone

If you get stuck... at any point in this procedure, restart the thermostat by removing the thermostat from the wallplate, wait for 5 seconds, and snap it back onto the wallplate. Return to Step 1 in this procedure, which starts on page 11.



View the Wi-Fi Enrollment video at [wifithermostat.com/videos](http://wifithermostat.com/videos)

1. Connect to your thermostat.



1a. Make sure the thermostat message center displays Wi-Fi SETUP.

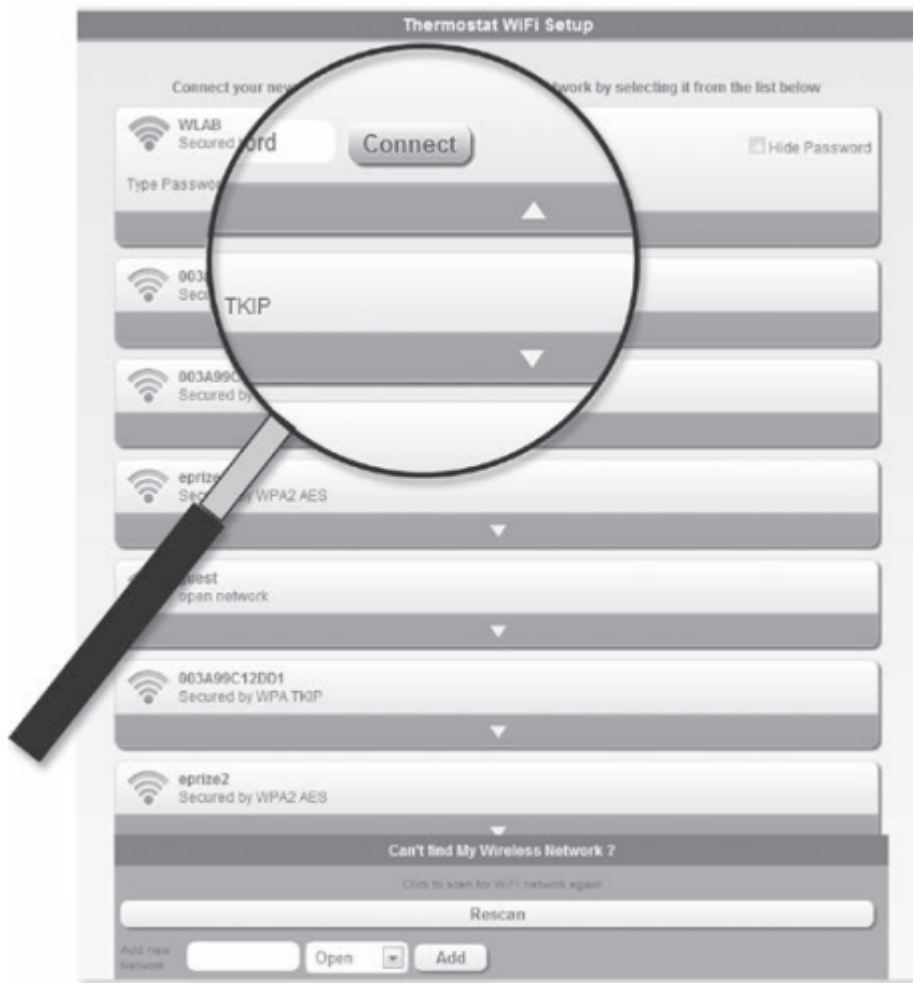
1b. On the wireless device (laptop, tablet, smartphone), view the list of available Wi-Fi networks

1c. Connect to the network called NewThermostat\_123456 (the number will vary).

Note: If you are asked to specify a home, public, or office network, select Home Network.

2. Join your home network.





2a. Open your web browser to access the Thermostat Wi-Fi Setup page. The browser should automatically direct you to the correct page; if it does not, go to <http://192.168.1.1>

2b. Find the name of your home network on this page and select it.

Note: Some routers have enhanced features such as guest networks; use your home network

2c. Complete the instructions for joining your Wi-Fi network and click on the Connect button. (Depending on your network setup, you may see an instruction such as Enter Password for your home network.)

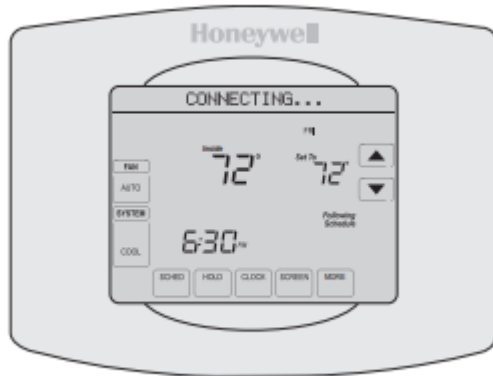
Note: If you did not correctly connect to the thermostat, you may see your home router page. If so, return to Step 1.

Note: If your Wi-Fi network does not appear in the list on the Thermostat Wi-Fi Setup page:

- Try performing a network rescan by pressing the Rescan button. This is helpful in areas with a lot of networks.
- If you are connecting to a hidden network, then enter the network SSID in the textbox, select the encryption type from the drop down menu, and click on the Add button. This

manually adds the network to the top of the list. Click on the new network in the list and enter the password if necessary. Click on Connect to join the network.

3. Make sure your thermostat is connected.



The message center on your thermostat will now display CONNECTING... for up to 30 seconds.

Look at the thermostat display. Verify that the message center displays one of the following:  
CONNECTION SUCCESSFUL JOINED: [WI-FI NETWORK NAME] YOU ARE ALMOST DONE REGISTER AT TOTAL CONNECT

If you see one of these messages, continue on page 12.

Note: If you see CONNECTION FAILURE or Wi-Fi SETUP in the message center, confirm you correctly entered your home network password in step 2c. If correct, refer to the FAQ at [wifithermostat.com/support](http://wifithermostat.com/support)

## Registering your thermostat online

To view and set your Wi-Fi thermostat remotely, you must have a Total Connect Comfort account. Use the following steps.

1. Open the Total Connect Comfort web site. Go to [mytotalconnectcomfort.com](http://mytotalconnectcomfort.com)



View the Wi-Fi Thermostat Registration video at [wifithermostat.com/videos](http://wifithermostat.com/videos)

2. Login or create an account.



If you have an account, click Login – or – click Create An Account

2a. Follow the instructions on the screen.

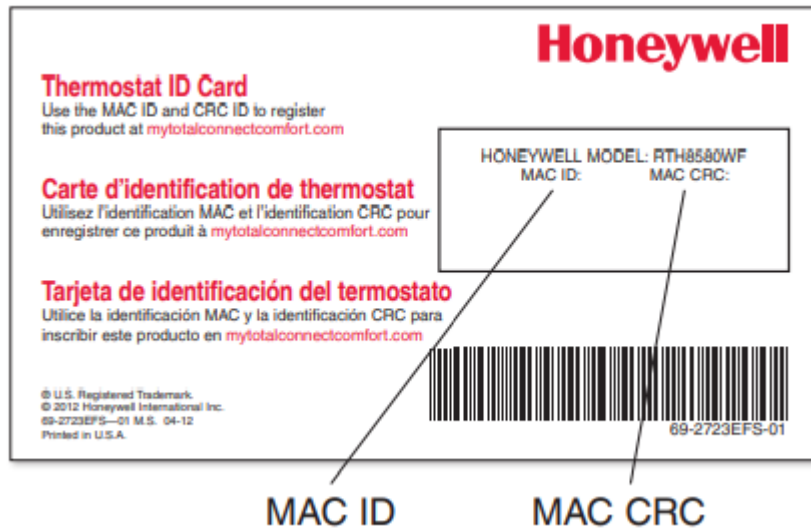
2b. Check your email for an activation message from My Total Connect Comfort. This may take several minutes.

Note: If you do not receive a response, check your junk mailbox or use an alternate e-mail address.

2c. Follow activation instructions in the email.

2d. Log in

3. Register your Wi-Fi thermostat.



After you are logged in to your Total Connect Comfort account, register your thermostat.

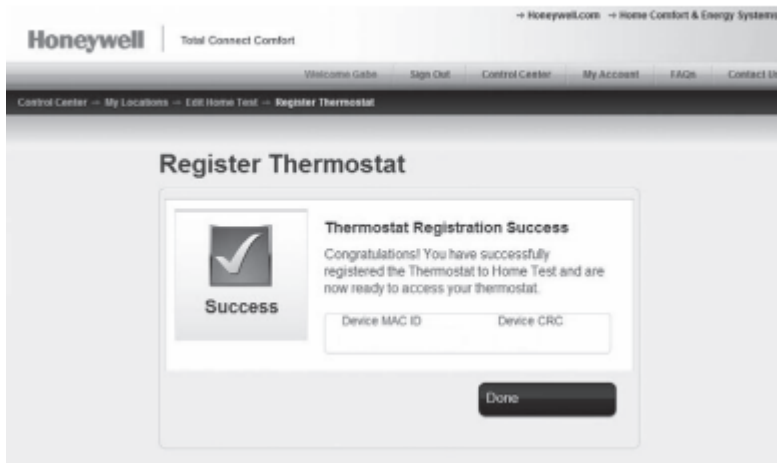
3a. Follow the instructions on the screen. After adding your thermostat location, you must enter the thermostat's unique identifiers:

- MAC ID
- MAC CRC

Note: These IDs are listed on the Thermostat ID Card included in the thermostat package. The IDs are not case sensitive.

3b. When the thermostat is successfully registered, the Total Connect Comfort registration screen will display a SUCCESS message.

In the thermostat message center you will see: CONGRATULATIONS SETUP COMPLETE!

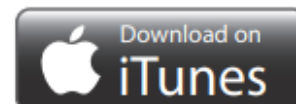
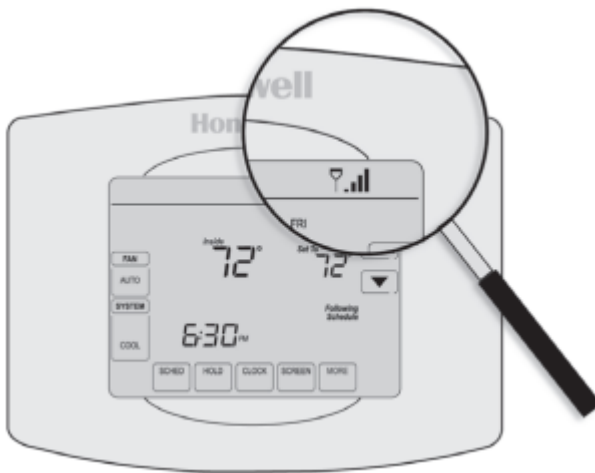


Your thermostat will display wireless signal strength.

You can now control your thermostat from anywhere through your laptop, tablet, or smartphone.

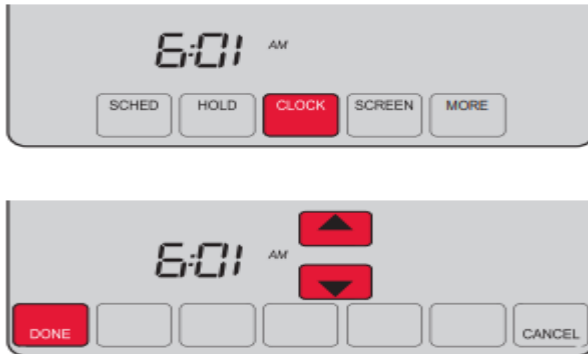


Total Connect Comfort free app is available for Apple® iPhone®, iPad® and iPod touch® devices at iTunes® or at Google Play® for all Android™ devices.



## Operation

### Setting the clock



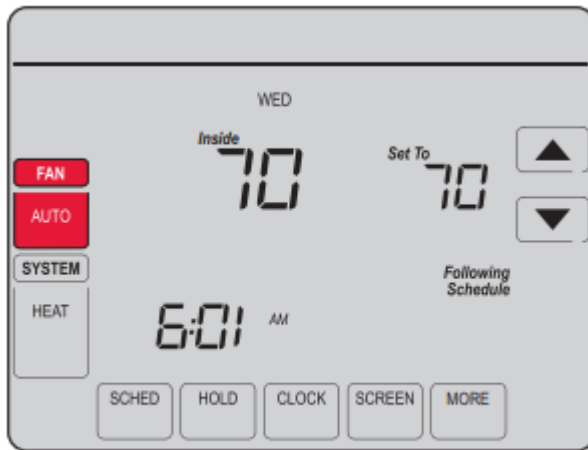
1. Press CLOCK to display setting arrows.
2. Press ▲ or ▼ to adjust the time. (You can advance the time more quickly by holding the ▲ or ▼ buttons.)
3. Press DONE to save and exit (or press CANCEL to exit without changing the time).

Note: This thermostat will automatically update for daylight saving time (if observed in your area) and all date/time information is stored. If the thermostat is connected to Wi-Fi and registered to Total Connect Comfort, the current time is updated from the internet.

Note: To change the current week day format, see “Schedule Options” on page 21.

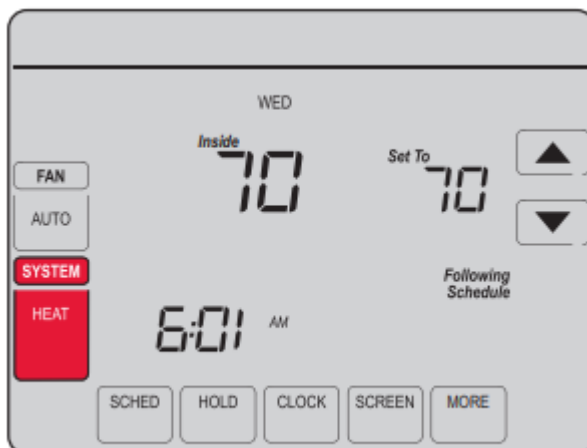
### Setting the fan

1. Press FAN to select fan operation.
2. Press FAN again to select ON or AUTO (toggle to re-select). The selected option blinks.
3. Press DONE to save setting. Your selection appears under FAN.
  - ON: Fan is always on.
  - AUTO: Fan runs only when the heating or cooling system is on.



## Selecting system mode

1. Press SYSTEM to display options.
2. Press SYSTEM again to select an option. You may need to press two or three times to make a selection—the selected option blinks.
3. Press DONE to save setting. Possible system modes:
  - HEAT: Controls only the heating system.
  - COOL: Controls only the cooling system.
  - OFF: Heating/cooling systems are off.
  - AUTO: Selects heating or cooling depending on the indoor temperature.
  - EM HEAT (heat pumps with aux. heat): Controls auxiliary/emergency heat. Compressor is locked out.



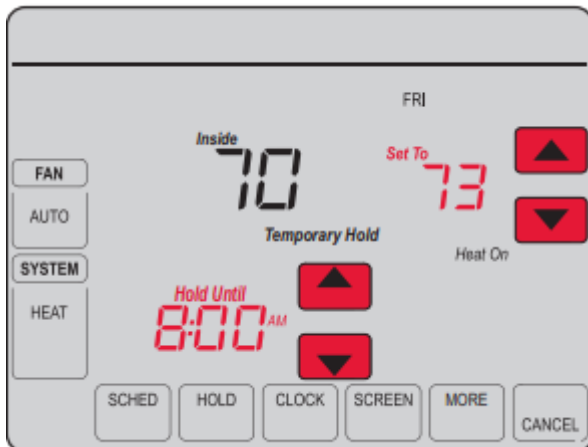
## Adjusting program schedules



1. Press SCHED, then EDIT. Screen displays day buttons at top.
2. Press day buttons (MON–SUN) to select days.
3. Press ▲ or ▼ to set Wake time for selected day(s).
4. Press ▲ or ▼ to set Heat and Cool temperature for this time period.
5. Press another period (LEAVE, RETURN, SLEEP) and set time and temperatures for each.
6. Press DONE to save and exit (or press CANCEL to exit without saving changes).

Note: You can press CANCEL PERIOD to eliminate any unwanted time period.

## Overriding schedules temporarily

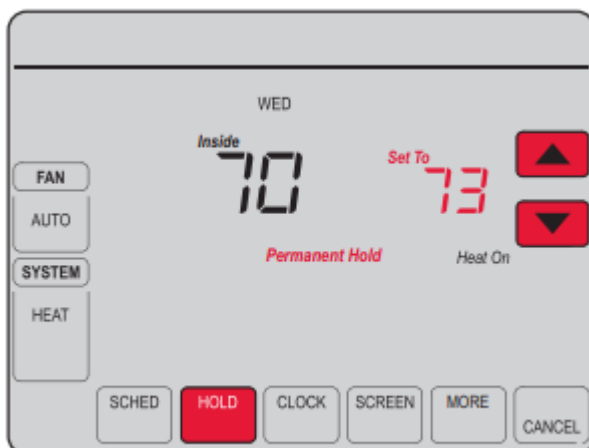


1. On the home screen, press s or t to immediately adjust the temperature.
2. Adjust the time to when you want the hold to end (the default is the end of the current period). The new setting will be maintained until the time shown under Hold Until. When the timer expires, the schedule will resume, and the temperature will return to the setting for the current time period.

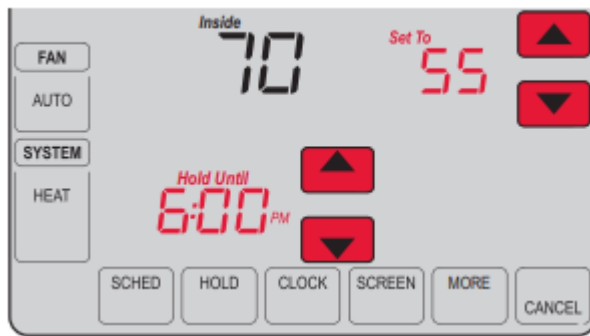
To cancel the temporary setting at any time, press CANCEL (or SCHED). The program schedule will resume.

## Overriding schedules permanently

1. Press HOLD to permanently adjust the temperature. This will turn off the program schedule.
2. Whatever temperature you set will be maintained 24 hours a day until you manually change it or press CANCEL (or SCHED) to cancel "Hold" and resume the program schedule.



## Setting vacation hold



Use this function to suspend the program schedule while you are away for an extended period.

1. Press ▲ or ▼ to set the temperature.
2. Press ▲ or ▼ to set the time of day you want the schedule to resume on the day you return.
3. Press HOLD twice. Hold Until appears.
4. Press ▲ or ▼ to select the number of days.

The selected temperature will be maintained 24 hours a day for the number of days you select. After the selected number of days has elapsed, the previously programmed schedule will resume at the time you set.

Note: You can press CANCEL (or SCHED) to resume normal schedule.

## Setting filter reminder intervals

If activated during installation, the filter reminder alerts you with a message above the time when it is time to replace your filter.

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

To change the reminder interval:

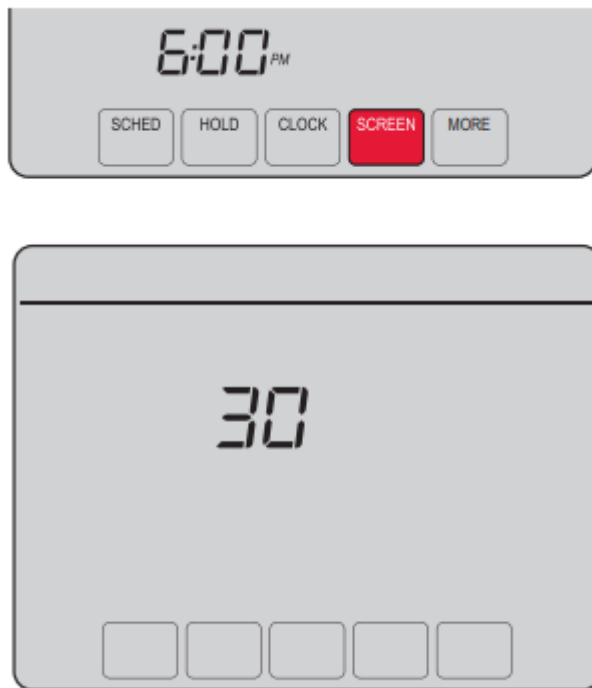
1. Press MORE, then EDIT.
2. Press ▲ or ▼ to select the desired interval (in days), then press DONE.
3. Press RESET.

4. Press DONE to save and exit.

Note: System setting function 0500 governs the filter interval. See “Filter Change Reminder” on page 23.



## Cleaning the screen

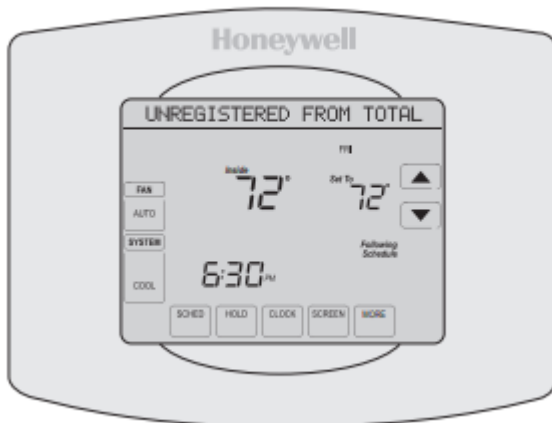


1. Press SCREEN to lock the screen for cleaning. The screen will remain locked for 30 seconds so you can clean the screen without changing any settings.
2. After 30 seconds, press DONE to resume normal operation, or press SCREEN again if you require more time for cleaning.

Note: Do not spray any liquid directly on the thermostat. Spray liquid onto a cloth, then use the damp cloth to clean the screen. Use water or household glass cleaner. Avoid abrasive cleansers.

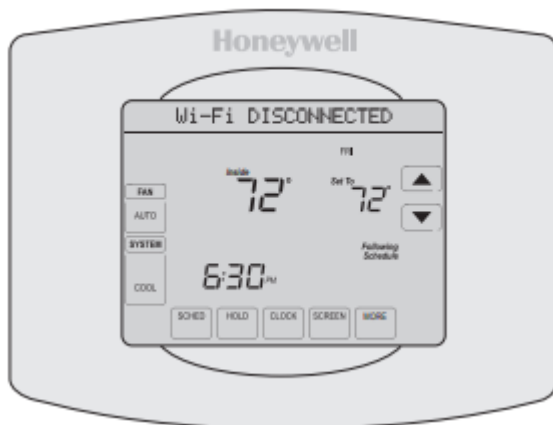
## Unregistering thermostat

- If you remove the thermostat from your Total Connect Comfort website account (for example, you're moving and leaving the thermostat behind), the message center will scroll UNREGISTERED FROM TOTAL CONNECT for 3 minutes.
- After that, it will alternate displaying REGISTER AT TOTAL CONNECT, the MAC ID and the MAC CRC.



## Disconnecting Wi-Fi

### Replacing your router



If you disconnect the thermostat from your Wi-Fi network:

1. Enter system setup (see page 20).
2. Change setting 900 to 0 (see page 23).

The Message Center will display Wi-Fi DISCONNECTED for 1 minute. After that it will display Wi-Fi SETUP.

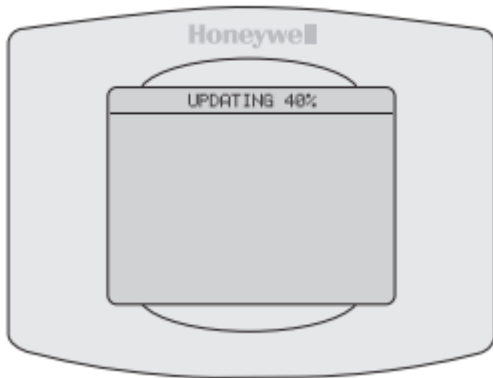
Re-connect to a Wi-Fi network by following the steps on page 11.

### Turning Wi-Fi off

If you do not plan to control the thermostat remotely, you can remove the Wi-Fi SETUP message from the screen:

1. Enter system setup (see page 20).
2. Change setting 890 to 0 (see page 23). Wi-Fi SETUP will be removed from the screen. If you want to connect to the Wi-Fi network later, change setting 890 back to 1.

## Software updates



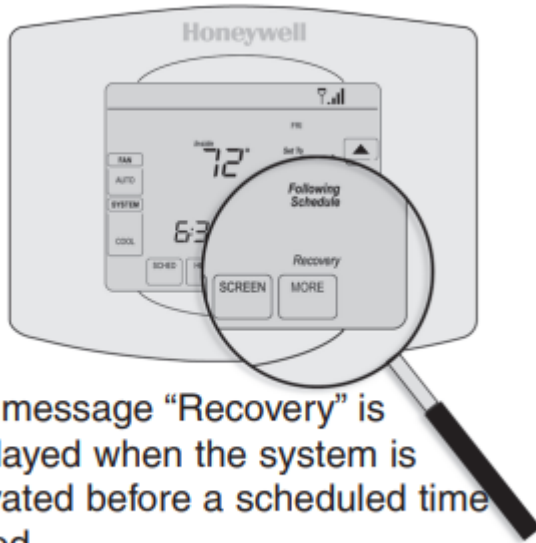
- Honeywell periodically issues updates to the software for this thermostat. The updates occur automatically through your Wi-Fi connection. All your settings are saved, so you will not need to make any changes after the update occurs.
- While the update is taking place, your thermostat screen goes blank and the message center shows UPDATING and the percentage of the update that has occurred. When the update is complete, your home screen will appear as usual.

Note: If you are not connected to Wi-Fi or registered at Total Connect Comfort, you will not get automatic updates.

## Smart Response Technology

- This feature allows the thermostat to “learn” how long the heating/cooling system takes to reach programmed temperature settings, so the temperature is reached at the time you set.
- For example: Set the Wake time to 6:00 am, and the temperature to 70°. The heat will come on before 6:00 am, so the temperature is 70° by 6:00 am.

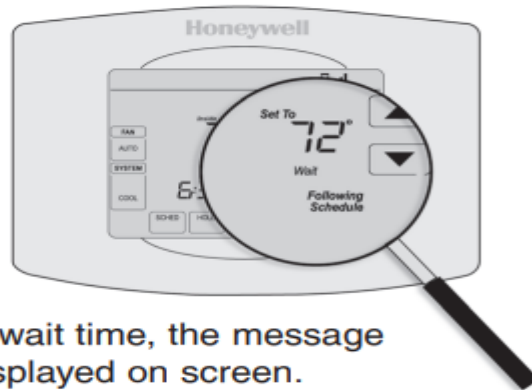
Note: System setting function 0530 controls Smart Response Technology. See “Smart Response Technology” on page 23.



The message “Recovery” is displayed when the system is activated before a scheduled time period.

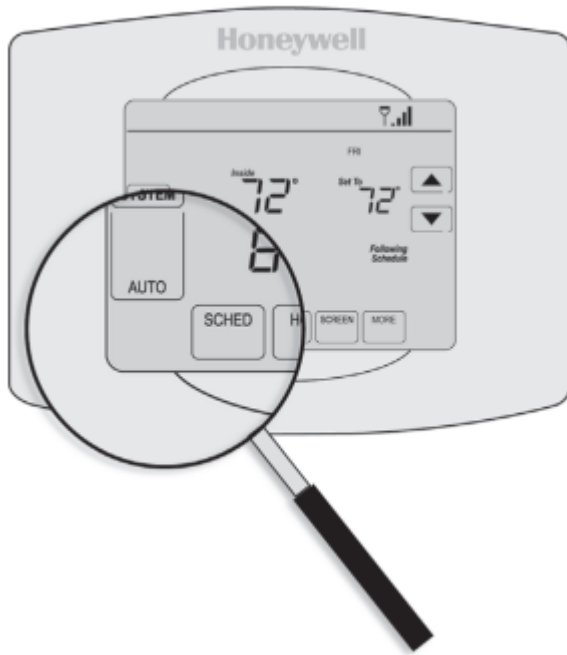
### Compressor protection

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



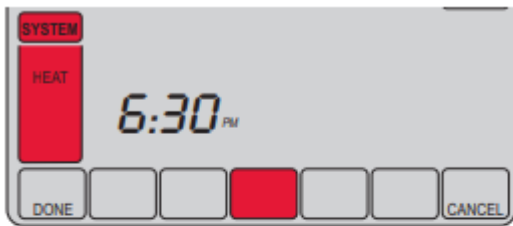
- This feature is used in climates where both air conditioning and heating are used on the same day.
- When the system is set to AUTO, the thermostat automatically selects heating or cooling depending on the indoor temperature.
- Heat and cool settings must be at least 3 degrees apart. The thermostat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





Note: System setting function 0300 controls Auto changeover. See “Manual/Auto Changeover” on page 22

## Setting functions and options

You can change options for a number of system functions. Available functions depend on the type of system you have. The functions, designated with four-digit numbers, along with available options are described on pages 21–23.

This thermostat is pre-set for a single-stage heating/cooling system. Setting function 0170 for a heat pump will adjust the default settings.



1. Press SYSTEM. You'll see several blank buttons on the bottom of the display.
2. Press and hold the center blank button until the screen changes (approximately 5 seconds).
3. Cycle through the functions, press   next to the four digit number on the left.
4. As needed, change options for any function by pressing   next to the number on the right.
5. When you have made all changes, press DONE to save and exit.

## System setup

How do I set my thermostat name? (See page 20 for instructions.)

Function	Settings & Options
<b>0112 Device Name</b> This name will identify the thermostat when you view it remotely. If you register multiple thermostats, give each one a different name.	<b>52 = Thermostat</b> 1 Basement      16 Exercise Room      30 Library      44 Porch 2 Bathroom      17 Family Room      31 Living Room      45 Rec Room 3 Bathroom 1      18 Fireplace      32 Lower Level      46 Sewing Room 4 Bathroom 2      19 Foyer      33 Master Bath      47 Spa 5 Bathroom 3      20 Game Room      34 Master Bed      48 Storage Room 6 Bedroom      21 Garage      35 Media Room      49 Studio 7 Bedroom 1      22 Great Room      36 Music Room      50 Sun Room 8 Bedroom 2      23 Guest Room      37 Nursery      51 Theater 9 Bedroom 3      24 Gym      38 Office      52 Thermostat 10 Bedroom 4      25 Kid's Room      39 Office 1      53 Upper Level 11 Boat House      26 Kitchen      40 Office 2      54 Utility Room 12 Bonus Room      27 Kitchen 1      41 Pantry      55 Walk In Closet 13 Computer Room      28 Kitchen 2      42 Play Room      56 Wine Cellar 14 Den      29 Laundry Room      43 Pool Room      57 Workshop 15 Dining Room

How do I change time and date settings? (See page 20 for instructions.)

Function	Settings & Options
<b>0120</b> Year Setting (first two digits)	20 = Year 20xx 21 = Year 21xx
<b>0130</b> Year Setting (last two digits)	01–99 (i.e., 2001–2099)
<b>0140</b> Month Setting	01–12 (i.e., January–December)
<b>0150</b> Date Setting	01–31
<b>0160</b> Schedule Options	4 Program schedule is on (7-day programmable). 0 Program schedule is off. Thermostat can not be programmed.
<b>0165</b> Restore Schedule Defaults	0 Continue using programmed schedule. 1 Restore thermostat program to energy saving settings

Note: If thermostat is connected to Wi-Fi and registered to Total Connect Comfort, the current time and date is updated from the internet. If you live in an area that observes daylight saving time, the time is also automatically updated.

How do I set my heating/cooling system type? (See page 20 for instructions.)

Function	Settings & Options
<b>0170</b> Select System Type If you are not sure of your heating/cooling system type or have other questions, go to <a href="http://wifithermostat.com">wifithermostat.com</a>	<ul style="list-style-type: none"> <li>1 <b>Heat/cool:</b> Gas, oil or electric heating <u>with</u> central air conditioning.</li> <li>2 <b>Heat pump:</b> Heat pump <u>without</u> backup or auxiliary heat.</li> <li>4 <b>Heat only with fan:</b> Gas, oil or electric heat <u>without</u> central air conditioning.</li> <li>5 <b>Heat only (no fan):</b> Gas, oil or hot water heat <u>without</u> central air conditioning.</li> <li>6 <b>Cool only:</b> Central air conditioning only.</li> <li>7 <b>Heat pump:</b> Heat pump <u>with</u> backup or auxiliary heating.</li> <li>8 <b>Heat/Cool Multiple stages:</b> 2 heat stages (wires on <b>W</b> and <b>W2</b>), 2 cooling stages (wires on <b>Y</b> and <b>Y2</b>).</li> <li>9 <b>Heat/Cool Multiple stages:</b> 2 heat stages (wires on <b>W</b> and <b>W2</b>), 1 cooling stage (wire on <b>Y</b>).</li> <li>10 <b>Heat/Cool Multiple stages:</b> 1 heat stage (wire on <b>W</b>), 2 cooling stages (wires on <b>Y</b> and <b>Y2</b>).</li> </ul>

How do I customize my heating/cooling system? (See page 20 for instructions.)

Function	Settings & Options
<b>Note:</b> Depending on system settings, functions on this page might not appear.	
<b>0180</b> Heating Fan Control	<ul style="list-style-type: none"> <li>0 <b>Gas or oil heat:</b> Use this setting if you have a gas or oil heating system (system controls fan operation).</li> <li>1 <b>Electric heat:</b> Use this setting if you have an electric heating system (thermostat controls fan operation).</li> </ul>
<b>0190</b> Heat Pump Changeover Valve (for heat pumps only)	<ul style="list-style-type: none"> <li>0 <b>Cooling changeover valve:</b> Use this setting if you connected a wire labeled "O" to the O/B terminal.</li> <li>1 <b>Heating changeover valve:</b> Use this setting if you connected a wire labeled "B" to the O/B terminal.</li> </ul>
<b>0240</b> Heating Cycle Rate	<ul style="list-style-type: none"> <li>5 <b>Gas or oil furnace:</b> Standard gas/oil furnace (less than 90% efficiency).</li> <li>9 <b>Electric furnace:</b> Electric heating systems.</li> </ul>
<b>0250</b> Heating Cycle Rate Stage 2	<ul style="list-style-type: none"> <li>3 <b>Hot water or high-efficiency furnace:</b> Hot water system or gas furnace (more than 90% efficiency).</li> <li>1 <b>Gas/oil steam or gravity system:</b> Steam or gravity heat systems.</li> </ul>

What other functions can I change? (See page 20 for instructions.)



Function	Settings & Options
<b>0280 Backlight</b>	0 Backlight off, then on for approximately 8 seconds after keypress. 1 Backlight always on low intensity, full bright after keypress.
<b>0300 Manual/Auto Changeover</b> See page 20 for more information.	0 Manual changeover (Heat/Cool/Off). 1 Automatic changeover (Heat/Cool/Auto/Off). Automatically turns on Heat or Cool based on room temperature. Note: System maintains minimum 3°F difference between heat and cool settings.
<b>0320 Temperature Format (°F/°C)</b>	0 Fahrenheit 1 Celsius
<b>0330 Automatic Daylight Saving Time Adjustment</b>	0 Off 1 On

Function	Settings & Options
<b>0500 Filter Change Reminder</b> The reminder appears after selected number of days <i>run time</i> not actual time.	0 Off (no reminder) 1 Reminder after 10-day run time (about 1 calendar month) 2 Reminder after 30-day run time (about 3 calendar months) 3 Reminder after 60-day run time (about 6 calendar months) 4 Reminder after 90-day run time (about 9 calendar months) 5 Reminder after 120-day run time (about 1 calendar year) 6 Reminder after 180-day run time (about 18 calendar months) 7 Reminder after 270-day run time (about 2 calendar years) 8 Reminder after 365-day run time (about 3 calendar years)
<b>0530 Smart Response Technology</b> See page 19 for more information.	1 On 0 Off
<b>0640 Clock Format</b>	12 12-hour clock (i.e., "3:30 pm") 24 24-hour clock (i.e., "15:30")

How do I change my Wi-Fi settings? (See page 20 for instructions.)

Function	Settings & Options
<b>0710 Restore Original Settings</b>	0 No 1 Disconnects thermostat from Wi-Fi and restores original settings (erases customizations).
<b>0890 Wi-Fi On/Off</b>	1 Wi-Fi is on and can be connected to a Wi-Fi network. 0 Wi-Fi is off. Thermostat cannot be connected to a Wi-Fi network. If you are not connecting the thermostat to a Wi-Fi network this will remove the text "Wi-Fi Setup" from the messaging center.
<b>0900 Wi-Fi Connection</b>	1 Connected to Wi-Fi network. This is set automatically when the thermostat is connected to the Wi-Fi network. 0 Set to 0 to disconnect from the Wi-Fi network.

## Appendices

### Frequently asked questions

QQ: Will my thermostat still work if I lose my Wi-Fi connection?

- AA: Yes, the thermostat will operate your heating and/or cooling system with or without Wi-Fi.

QQ: How do I find the password to my router?

- AA: Contact the manufacturer of the router or check the router documentation.

QQ: Why am I not seeing my Wi-Fi setup page?

- AA: You are probably connected only to your router, not to your thermostat. Try connecting to the thermostat again.

QQ: Why isn't my thermostat connecting to my Wi-Fi router even though it is very close to the thermostat?

- AA: Verify that the password entered for the Wi-Fi router is correct.

QQ: Where can I find my MAC ID and MAC CRC codes?

- AA: The MAC ID and MAC CRC will show in the message center of the thermostat. The numbers are also included on a card packed with the thermostat or on the back of the thermostat (visible when removed from wallplate). Each thermostat has a unique MAC ID and MAC CRC.

QQ: My thermostat is unable to register to the Total Connect Comfort website.

- AA: Verify that the thermostat is correctly enrolled on your homeWi-Fi network. The message center will display "CONNECTION SUCCESSFUL" or "REGISTER AT TOTAL CONNECT." You might also see the Wi-Fi Signal strength icon. Verify that the Wi-Fi router has a good internet connection. On your computer, verify that you can open the site at [mytotalconnectcomfort.com](http://mytotalconnectcomfort.com) If you cannot open the site, switch off the internet modem for a few seconds, then power it back on.

QQ: I registered on the Total Connect Comfort website but was unable to login using my new account.

- AA: Check your email and ensure that you received an activation email. Follow the instructions to activate your account and then login to the website.

QQ: I have signed up on Total Connect Comfort website and have not received a confirmation email.











- AA: Check for the email in your Junk or Deleted folder.

QQ: Is there a way to extend the signal strength?

- AA: Most standard routers can be set up to be a repeater. You can also purchase and install a Wi-Fi repeater.

## Message center messages

The Message Center at the top of the screen communicates Wi-Fi connection and registration status. It also displays the MAC ID and MAC CRC for registering the thermostat at [mytotalconnectcomfort.com](http://mytotalconnectcomfort.com)

	Displayed before you begin Wi-Fi setup.
	Displayed while connecting to the Wi-Fi network.
	Displayed after connecting to the Wi-Fi network.
<b>JOINED:</b> [Wi-Fi network name]	Displayed when connected to the Wi-Fi network
	Displayed when Wi-Fi connection is complete
	Displayed when the thermostat fails to establish a connection to the Wi-Fi network.
 MAC: [Found on your ID card] CRC: [Found on your ID card]	Displayed when the thermostat is connected to the Wi-Fi network but not registered at mytotalconnectcomfort.com Displays the thermostat's MAC ID and MAC CRC for registering at mytotalconnectcomfort.com
	Displayed when the thermostat is registered at mytotalconnectcomfort.com
	Displayed when the thermostat is removed from your Total Connect Comfort account.
	Wi-Fi signal strength. Displayed when the thermostat is connected to the Wi-Fi network and registered at mytotalconnectcomfort.com
	<ul style="list-style-type: none"> <li>Displayed if there is no Wi-Fi signal. Check another device to be sure Wi-Fi is working in your home; if not, call your Internet Service Provider.</li> </ul>

	<ul style="list-style-type: none"> <li>• Move the router.</li> <li>• Restart the thermostat: remove it from the wallplate, wait 5 seconds, and snap it back onto the wallplate. Return to Step 1 of Connecting to your Wi-Fi network.</li> </ul>
NO Wi-Fi SIGNAL	<p>Displayed if the home Wi-Fi password is entered incorrectly.</p> <ul style="list-style-type: none"> <li>• Re-enter password for your home Wi-Fi network.</li> <li>• Repeat setup process and confirm your password for your home Wi-Fi network.</li> </ul>
NO IP ADDRESS	<p>Displayed if no IP Address is supplied by the router.</p> <ul style="list-style-type: none"> <li>• Wait for 30 minutes, connection can take several minutes. If still no connection, remove thermostat from wallplate, wait 5 seconds, and snap it back onto the wallplate.</li> <li>• Verify your router is correctly setup to automatically give IP addresses.</li> </ul>
NO INTERNET LINK	<p>Displayed if there is no Wi-Fi signal.</p> <ul style="list-style-type: none"> <li>• Make sure the Internet cable is plugged in.</li> <li>• Reboot the router.</li> </ul>

## Troubleshooting

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 and cooling system is on.
- Make sure furnace door is closed securely.
- Make sure C wire is connected (see page 6).

### 2. Cannot change system setting to Cool

- Check Function 0170: System Type to make sure it is set to match your heating and cooling equipment (see page 22).

3. Fan does not turn on when heat is required

- Check Function 0180: Heating Fan Control to make sure it is set to match your heating equipment (see page 22).

4. "Wait" appears on the screen

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

5. Heat pump issues cool air in heat mode, or warm air in cool mode

- Check Function 0190: Heat Pump Changeover Valve to make sure it is properly configured for your system (see page 22).

6. Button on lower right of screen is blank

- This button will remain blank unless the furnace filter change reminder is activated (see page 17).

7. Red light is on

- If thermostat is in Emergency Heat mode the red light is normal. It shows that the thermostat is in emergency heat mode.
- If thermostat is not in Emergency Heat mode, contact a qualified service contractor for repair.

8. 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 19).

9. Heating system is running in cool mode

- Check Function 0170: System Type to make sure it is set to match your heating and cooling equipment (see page 22).

**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.

---

Document generated by [ManualsFile](#)

