



User Guide

VisionPRO Wi-Fi
Programmable Thermostat

Model TH8320WF

In the box you will find

- Quick Start Guide
- Thermostat ID Card
- User Guide





Welcome

Congratulations on your purchase of a Honeywell Wi-Fi touchscreen programmable thermostat. When registered to Honeywell's Total Connect Comfort Solutions, you can remotely monitor and control the heating and cooling system in your home or business—you can stay connected to your comfort system wherever you go.

Honeywell's Total Connect Comfort is the perfect solution if you travel frequently, own a vacation home, a business or manage an Investment property or if you are simply looking for peace of mind.

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Features of your Wi-Fi thermostat

With your new thermostat, you can:

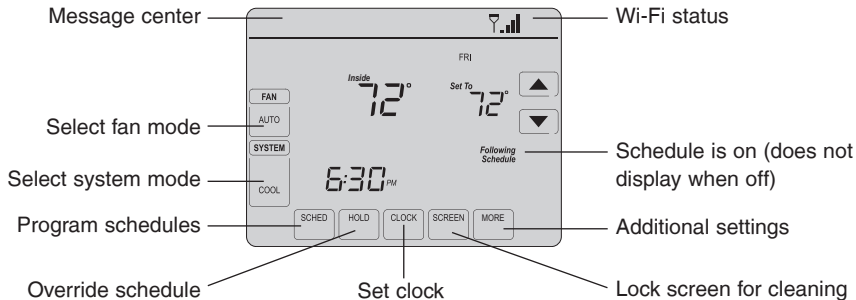
- **Connect to the Internet to monitor and control your heating/cooling system**
- **View and change your heating/cooling system settings**
- **View and set temperature and schedules**
- **Receive alerts via email and get automatic upgrades**

Your new thermostat provides:

- **Adaptive Intelligent Recovery (AIR) - the thermostat learns your system so it can turn the heat or cool on early to reach your desired temperature at your desired time.**
- **Compressor protection - the compressor waits a few minutes before restarting, to prevent equipment damage.**
- **Heat/cool auto changeover - the thermostat automatically changes from heating to cooling to keep you comfortable.**

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.

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

| | |
|------------------------------|--|
| Wi-Fi SETUP | Displayed before you begin Wi-Fi setup. |
| CONNECTING... | Displayed while connecting to the Wi-Fi network. |
| CONNECTION SUCCESSFUL | Displayed after connecting to the Wi-Fi network. |
| JOINED: [Wi-Fi network name] | Displayed when connected to the Wi-Fi network. |
| YOU ARE ALMOST DONE! | Displayed when Wi-Fi connection is complete. |
| CONNECTION FAILED | Displayed when the thermostat fails to establish a connection to the Wi-Fi network. |
| REGISTER AT TOTAL CONNECT | Displayed when the thermostat is connected to the Wi-Fi network but not registered at mytotalconnectcomfort.com |
| MAC: [Found on your ID card] | Displays the thermostat's MAC ID and MAC CRC for registering at mytotalconnectcomfort.com |
| CRC: [Found on your ID card] | |


Message center messages

| | |
|---|--|
| CONGRATULATIONS SETUP COMPLETE! | Displayed when the thermostat is registered at mytotalconnectcomfort.com |
| UNREGISTERED FROM TOTAL CONNECT | 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 |
| Wi-Fi SIGNAL LOST | Displayed if there is no Wi-Fi signal. |
| INVALID PASSWORD | Displayed if the home Wi-Fi password is entered incorrectly. |
| NO IP ADDRESS | Displayed if no IP Address is supplied by the router. |
| NO INTERNET LINK | Displayed if there is no Wi-Fi signal. |

Connecting to your Wi-Fi network

Connect your wireless device to your home network. Any of these device types will work:

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

 **If you get stuck...** At any point in this process, restart the thermostat by removing the thermostat from the wallplate, wait for 5 seconds, and snap it back into place. Go to Step 1 in this procedure, starting on page 9.

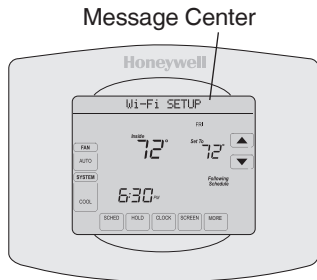


View the Wi-Fi Enrollment video at wifithermostat.com/videos

Connecting to your Wi-Fi network

- 1 Connect to your thermostat.
 - 1a Make sure the thermostat message center displays Wi-Fi SETUP
 - 1b On the wireless device (tablet, laptop, 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**.



Connecting to your Wi-Fi network

2 Join your home network.

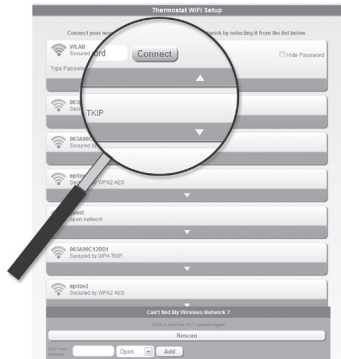
2a Open your web browser to access the Thermostat Wi-Fi Setup page. The browser should automatically direct you to the correct page; if it does not, go to <http://192.168.1.1>

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.



Connecting to your Wi-Fi network

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.

Connecting to your Wi-Fi network

3 Make sure your thermostat is connected.

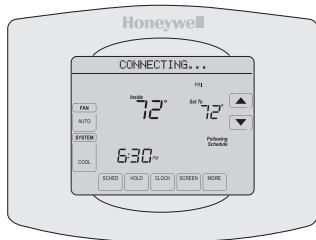
The message center on your thermostat will now display **CONNECTING...** for up to 30 seconds.

3a 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 don't see these messages, see page 8.

To register online for remote access to your thermostat continue on page 13.



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

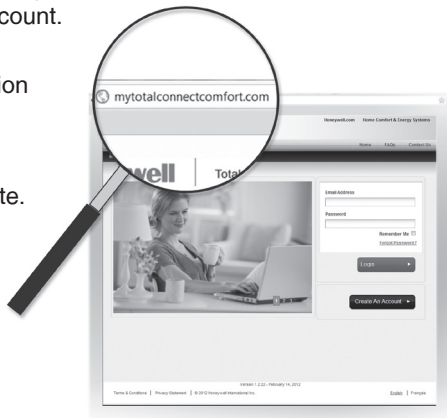
Registering your thermostat online

To view and set your Wi-Fi thermostat remotely, you must have a Total Connect Comfort account. Follow the instructions below.



View the Wi-Fi Thermostat Registration video at wifithermostat.com/videos

- 1 Open the Total Connect Comfort web site.
Go to www.mytotalconnectcomfort.com



Registering your thermostat online

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 a response 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.



Registering your thermostat online

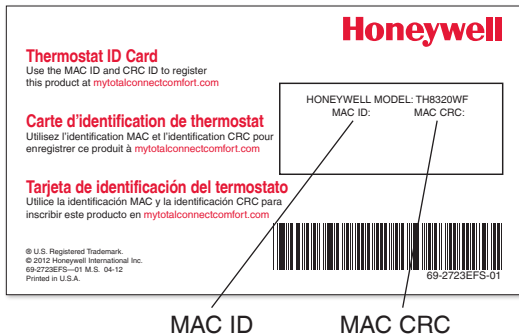
3 Register your Wi-Fi thermostat.

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.

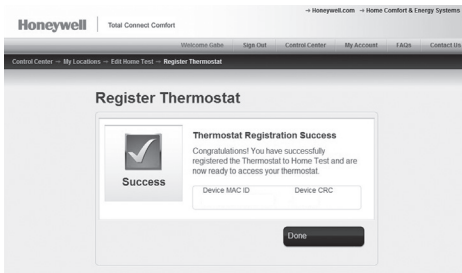


Registering your thermostat online

3b Notice that 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**



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 by as much as 33% if used as directed. Savings may vary depending on geographic region and usage.

| | | Default Heat Settings | Default Cool Settings |
|--|--------------------------|-----------------------|-----------------------|
|  | WAKE 6:00 am | 70° | 78° |
|  | LEAVE 8:00 am | 62° | 85° |
|  | RETURN 6:00 pm | 70° | 78° |
|  | SLEEP 10:00 pm | 62° | 82° |

To change the settings, see pages 21–24.

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: You should never need to adjust the real-time clock; it automatically updates for daylight saving time and all date/time information is stored.

Note: To change the current week day format, see “Setting functions and options” on page 30.



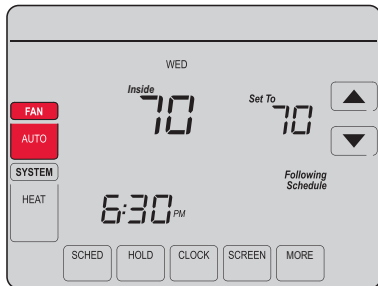
Setting the fan

- 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.

CIRC: Fan runs randomly approximately 35% of the time. Use this setting for improved air circulation or for more efficient central air cleaning when you do not want the fan running continuously.



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:

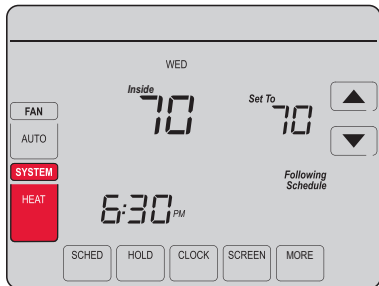
HEAT: Controls only the heating system.

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.

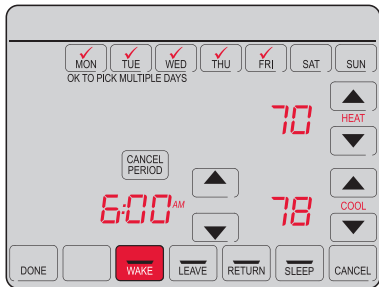


Note: The **AUTO** and **EM HEAT** system settings may not appear, depending on how your thermostat was installed.

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.

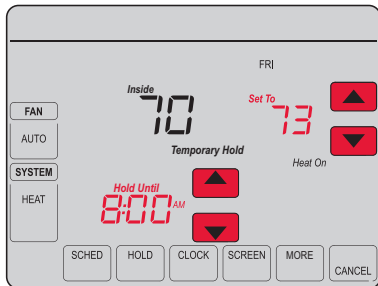


Overriding schedules temporarily

- 1 On the home screen, press ▲ or ▼ 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).

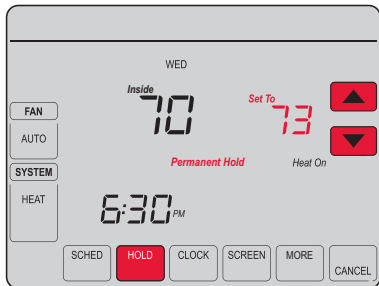
The new setting will be maintained until the time shown under *Hold Until*. When the timer expires, the schedule will resume, and the temperature will return to the setting for the current time period.

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.



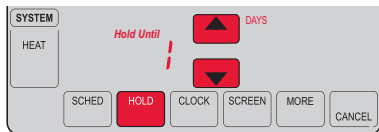
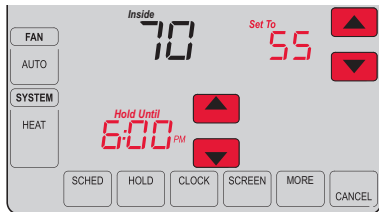
Setting vacation hold

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

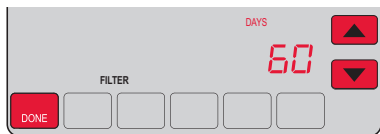
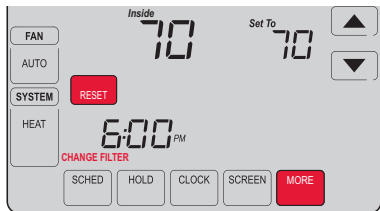
If activated during installation, the filter reminder alerts you with a message above the time when it is time to replace your filter.

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.

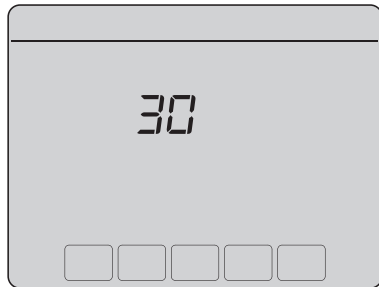
Note: System setting function 0500 governs the filter interval. See “Filter Change Reminder” on page 33.



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.

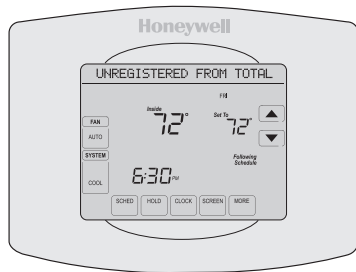
Note: Do not spray any liquid directly on the thermostat. Spray liquid onto a cloth, then use the damp cloth to clean the screen. Use water or household glass cleaner. Avoid abrasive cleansers.



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.



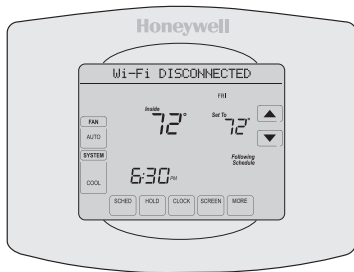
Disconnecting Wi-Fi

If you disconnect the thermostat from your Wi-Fi network (for example, you're replacing your router):

- 1 Enter system setup (see page 30).
- 2 Change setting 900 to 0 (see page 35).

The Message Center will display Wi-Fi DISCONNECTED for 1 minute.

After that it will display Wi-Fi SETUP.



Special features

Adaptive Intelligent Recovery (AIR)

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

Note: System setting function 0530 controls AIR. See “AIR” on page 34.

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.

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 31–35.

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 key for approximately five seconds until screen changes.
- 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.



User setup

| Function | Settings & Options | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|-----------------|--------------------|---------------|---------------|------------|----------|---------------|----------------|--------------|--------------|------------|-----------------|--------------|-----------|-----------|-------------------|--------------|---------------|-------------|----------------|-----------|---------------|-------------|-------------|-------------|--------|-----------|--------------------|-------------|---------------|--------------|------------------|-------------|------------|--------------|-----------------|--------------|--------------|----------|-----------------|---------------|--------------|-------------|----------------|---------------|-----------------|----------------|----------------|------------------|------------|--------|-------------|--------|----------------|-----------------|-------------|----------------|----------------|-----------|---------------|------------------|----------------|-------------|--|----------------|---------------|------------|--|
| 0112 Device Name This name will identify the thermostat when you view it remotely. If you register multiple thermostats, give each one a different name. | 52 = Thermostat <table><tbody><tr><td>1 Basement</td><td>18 Fireplace</td><td>35 Media Room</td><td>52 Thermostat</td></tr><tr><td>2 Bathroom</td><td>19 Foyer</td><td>36 Music Room</td><td>53 Upper Level</td></tr><tr><td>3 Bathroom 1</td><td>20 Game Room</td><td>37 Nursery</td><td>54 Utility Room</td></tr><tr><td>4 Bathroom 2</td><td>21 Garage</td><td>38 Office</td><td>55 Walk In Closet</td></tr><tr><td>5 Bathroom 3</td><td>22 Great Room</td><td>39 Office 1</td><td>56 Wine Cellar</td></tr><tr><td>6 Bedroom</td><td>23 Guest Room</td><td>40 Office 2</td><td>57 Workshop</td></tr><tr><td>7 Bedroom 1</td><td>24 Gym</td><td>41 Pantry</td><td>64 Conference Room</td></tr><tr><td>8 Bedroom 2</td><td>25 Kid's Room</td><td>42 Play Room</td><td>65 Dressing Room</td></tr><tr><td>9 Bedroom 3</td><td>26 Kitchen</td><td>43 Pool Room</td><td>66 Meeting Room</td></tr><tr><td>10 Bedroom 4</td><td>27 Kitchen 1</td><td>44 Porch</td><td>67 Machine Room</td></tr><tr><td>11 Boat House</td><td>28 Kitchen 2</td><td>45 Rec Room</td><td>68 Open Area 1</td></tr><tr><td>12 Bonus Room</td><td>29 Laundry Room</td><td>46 Sewing Room</td><td>69 Open Area 2</td></tr><tr><td>13 Computer Room</td><td>30 Library</td><td>47 Spa</td><td>70 Server 1</td></tr><tr><td>14 Den</td><td>31 Living Room</td><td>48 Storage Room</td><td>71 Server 2</td></tr><tr><td>15 Dining Room</td><td>32 Lower Level</td><td>49 Studio</td><td>72 Stock Room</td></tr><tr><td>16 Exercise Room</td><td>33 Master Bath</td><td>50 Sun Room</td><td></td></tr><tr><td>17 Family Room</td><td>34 Master Bed</td><td>51 Theater</td><td></td></tr></tbody></table> | 1 Basement | 18 Fireplace | 35 Media Room | 52 Thermostat | 2 Bathroom | 19 Foyer | 36 Music Room | 53 Upper Level | 3 Bathroom 1 | 20 Game Room | 37 Nursery | 54 Utility Room | 4 Bathroom 2 | 21 Garage | 38 Office | 55 Walk In Closet | 5 Bathroom 3 | 22 Great Room | 39 Office 1 | 56 Wine Cellar | 6 Bedroom | 23 Guest Room | 40 Office 2 | 57 Workshop | 7 Bedroom 1 | 24 Gym | 41 Pantry | 64 Conference Room | 8 Bedroom 2 | 25 Kid's Room | 42 Play Room | 65 Dressing Room | 9 Bedroom 3 | 26 Kitchen | 43 Pool Room | 66 Meeting Room | 10 Bedroom 4 | 27 Kitchen 1 | 44 Porch | 67 Machine Room | 11 Boat House | 28 Kitchen 2 | 45 Rec Room | 68 Open Area 1 | 12 Bonus Room | 29 Laundry Room | 46 Sewing Room | 69 Open Area 2 | 13 Computer Room | 30 Library | 47 Spa | 70 Server 1 | 14 Den | 31 Living Room | 48 Storage Room | 71 Server 2 | 15 Dining Room | 32 Lower Level | 49 Studio | 72 Stock Room | 16 Exercise Room | 33 Master Bath | 50 Sun Room | | 17 Family Room | 34 Master Bed | 51 Theater | |
| 1 Basement | 18 Fireplace | 35 Media Room | 52 Thermostat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 Bathroom | 19 Foyer | 36 Music Room | 53 Upper Level | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 Bathroom 1 | 20 Game Room | 37 Nursery | 54 Utility Room | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 Bathroom 2 | 21 Garage | 38 Office | 55 Walk In Closet | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 Bathroom 3 | 22 Great Room | 39 Office 1 | 56 Wine Cellar | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 Bedroom | 23 Guest Room | 40 Office 2 | 57 Workshop | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 Bedroom 1 | 24 Gym | 41 Pantry | 64 Conference Room | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 Bedroom 2 | 25 Kid's Room | 42 Play Room | 65 Dressing Room | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 Bedroom 3 | 26 Kitchen | 43 Pool Room | 66 Meeting Room | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 Bedroom 4 | 27 Kitchen 1 | 44 Porch | 67 Machine Room | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 Boat House | 28 Kitchen 2 | 45 Rec Room | 68 Open Area 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 Bonus Room | 29 Laundry Room | 46 Sewing Room | 69 Open Area 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 Computer Room | 30 Library | 47 Spa | 70 Server 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 Den | 31 Living Room | 48 Storage Room | 71 Server 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 Dining Room | 32 Lower Level | 49 Studio | 72 Stock Room | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 Exercise Room | 33 Master Bath | 50 Sun Room | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 Family Room | 34 Master Bed | 51 Theater | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

User setup

| Function | Settings & Options |
|--|--|
| 0120 Year Setting (first two digits) | 20 = Year 20xx 21 = Year 21xx |
| 0130 Year Setting (last two digits) | 01–99 (i.e., 2001–2099) |
| 0140 Month Setting | 01–12 (i.e., January–December) |
| 0150 Date Setting | 01–31 |
| 0160 Schedule Options | 4 Program schedule is on (7-day programmable). 0 Program schedule is off. Thermostat can not be programmed. |
| 0165 Restore Schedule Defaults | 0 Continue using programmed schedule. 1 Restore thermostat program to energy saving settings |
| 0280 Backlight | 0 Backlight off, then on for approximately 8 seconds after keypress. 1 Backlight always on low intensity, full bright after keypress. |

User setup

| Function | Settings & Options |
|---|--|
| 0320 Temperature Format (°F/°C) | 0 Fahrenheit 1 Celsius |
| 0330 Automatic Daylight Saving Time Adjustment | 0 Off 1 On |
| 0500 Filter Change Reminder 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) |

User setup

| Function | Settings & Options |
|---|--|
| 0510 Humidifier Pad Replacement Reminder | 0 Disabled 1 30-day run time (about 3 months) 2 60-day run time (about 6 months) 3 90-day run time (about 9 months) |
| 0520 UV Lamp Replacement Reminder | 0 Disabled 1 365 days 2 730 days |
| 0530 Adaptive Intelligent Recovery (AIR) | 1 On 0 Off |
| 0640 Clock Format | 12 12-hour clock (i.e., "3:30 pm") 24 24-hour clock (i.e., "15:30") |

User setup

| Function | Settings & Options |
|---------------------------------------|---|
| 0670 Keypad lock | 0 Keypad unlocked (fully functional) 1 Partially locked (access to temperature settings only) 2 Fully locked |
| 0710 Restore Original Settings | 0 No 1 Disconnects thermostat from Wi-Fi and restores original settings (erases customizations). |
| 0890 Wi-Fi On/Off | 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. |
| 0900 Wi-Fi Connection | 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. |

Frequently asked questions

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

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

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

A: Contact the manufacturer of the router or check the router documentation.

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

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

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

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

Frequently asked questions

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

A: 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.

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

A: 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 If you cannot open the site, switch off the internet modem for a few seconds, then power it back on.

Frequently asked questions

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

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

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

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

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

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

Troubleshooting

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 and cooling system is on.
- Make sure furnace door is closed securely.

“Wait” appears on the screen

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

Button on lower right of screen is blank

- This button will remain blank unless the furnace filter, humidifier pad, or UV bulb change reminder is activated or if an outdoor temperature sensor is wired to your thermostat.

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.

Troubleshooting

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 29).

Need help?

Visit <http://yourhome.honeywell.com> or call 1-855-733-5465 for assistance.

Glossary

MAC ID, MAC CRC

Alphanumeric codes that uniquely identify your thermostat.

QR Code®

Quick response code. A two-dimensional, machine-readable image. Your wireless device can read the black and white pattern in the square and link its browser directly to a web site. QR Code is a registered trademark of DENSO WAVE INCORPORATED.

Regulatory information

FCC Compliance Statement (Part 15.19) (USA only)

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- 1 This device may not cause harmful interference, and
- 2 This device must accept any interference received, including interference that may cause undesired operation.

FCC Warning (Part 15.21) (USA only)

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC Interference Statement (Part 15.105 (b)) (USA only)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the

instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Regulatory information

Thermostats

To comply with FCC and Industry Canada RF exposure limits for general population/ uncontrolled exposure, the antenna(s) used for these transmitters must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

Section 7.1.2 of RSS-GEN

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

Section 7.1.3 of RSS-GEN

Operation is subject to the following two conditions:

- 1 this device may not cause interference, and
- 2 this device must accept any interference, including interference that may cause undesired operation of the device.

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 1-855-733-5465. 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 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 1-855-733-5465. In Canada, write Retail Products ON15-02H, Honeywell Limited/Honeywell Limitée, 35 Dynamic Drive, Toronto, Ontario M1V4Z9.



69-2734-01

Automation and Control Systems

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69-2734—01 M.S. 08-12

Printed in U.S.A.

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