Honeywell Home

RTH9580
Smart Series

Smart Colour Touchscreen
Programmable Thermostat

User Guide

Read and save these instructions.

For help please visit
getconnected.honeywellhome.com/en/total-connect-comfort-app

In the box you will find

- Thermostat
- Wallplate
- Screws and anchors
- Quick Start Guide
- Thermostat ID Card
- Wire labels
- User Guide

Features of your smart 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.
- View outdoor temperature and humidity (requires Wi-Fi set up and registration).

Welcome

Congratulations on your purchase of a Resideo Smart Colour touchscreen programmable thermostat. When registered to 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.

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.

getconnected.honeywellhome.com

⚠ This thermostat works with common 24 volt systems such as forced air, hydronic, heat pump, oil, gas, and electric. It will not work with millivolt systems, such as a gas fireplace, or with 120/240 volt systems such as baseboard electric heat.

⚠ **MERCURY NOTICE:** Please do not dispose of your old thermostat with other household refuge as it may contain mercury. Please help to protect the environment by recycling your old thermostat and batteries in accordance with local regulations.

⚠ *NOTICE:* To avoid possible compressor damage, do not run air conditioner if the outside temperature drops below 50°F (10°C).

Need help?
Visit getconnected.honeywellhome.com or call +971 4 450 5800 for assistance before returning the thermostat to the store.

Table of contents

About your new thermostat

Installation

Operation

Appendices

Quick reference: home use

HOME. Touch to display Home screen.

FAN. Select fan mode.

SYSTEM. Select system mode (heat/cool).

MENU. Touch to display options. Start here to set a program schedule.

Current schedule. Change set temperature (°C or °F) and select temporary or permanent hold.

Indoor conditions. Shows indoor temperature (°C or °F) and humidity (%).

Current date and time.

Current status. Shows system mode (heat/cool).

Outdoor conditions. Outdoor temperature (°C or °F) and humidity (%) appear after registration.

1

Quick reference: business use
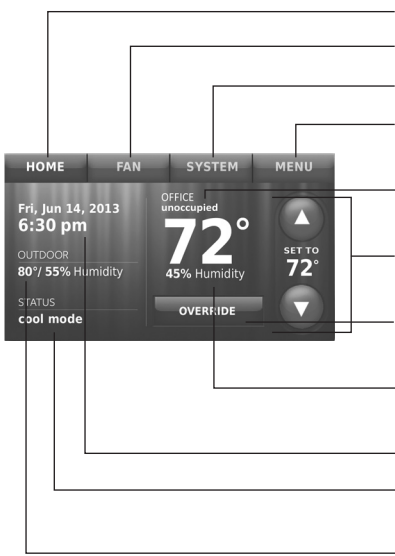
HOME. Touch to display Home screen.

FAN. Select fan mode.

SYSTEM. Select system mode (heat/cool).

MENU. Touch to display options. Start here to set a program schedule.

Thermostat location. Quickly identify which thermostat is in control of a specific area.

Current schedule. Touch an arrow to change temperature (°C or °F) setting and set a temporary hold.

Override. Touch to temporarily override the program schedule.

Indoor conditions. Shows indoor temperature (°C or °F) and humidity (%).

Current date and time.

Current status. Shows system mode (heat/cool).

Outdoor conditions. Outdoor temperature (°C or °F) and humidity (%) appear after registration.

Setting up your thermostat

Setting up your smart 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 **getconnected.honeywellhome.com**

Installing your thermostat

You might need the following tools to install this thermostat:

- No. 2 Phillips screwdriver
- Pen
- Pencil
- Level (optional)

- Drill and bits (4.5mm for drywall, 5.5mm 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.

Circuit breaker box

or

Heating/ cooling system power switch
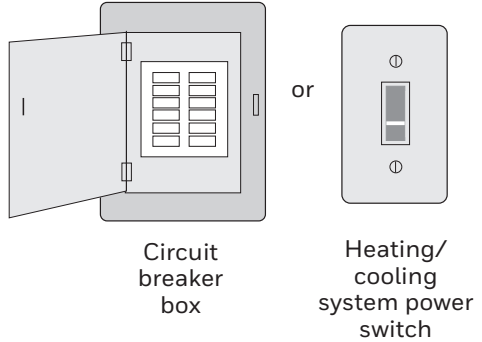
2 Remove old thermostat faceplate and leave wires connected.

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

   2b If no wire is connected to a terminal labelled C or no C terminal exists on the old thermostat, view the Alternate Wiring videos at **getconnected.honeywellhome.com**
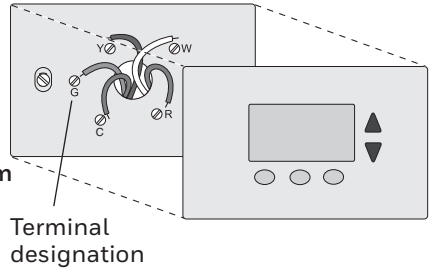
   Important! C wire is required and is the power source for your thermostat. Without a C wire, your thermostat will not power up.

Note: You will need a picture of your wire connections to wire the new thermostat.

Terminal designation

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

Installing your thermostat

3 Label the wires.

   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 colour.

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

Wiring Labels		Étiquettes de fils		Rótulos para los cables		

Sticky tag

Blank tags

4 Remove wallplate.

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

   Note: Wrap the wires around a pencil to prevent them from falling back into the wall.

Terminal designation
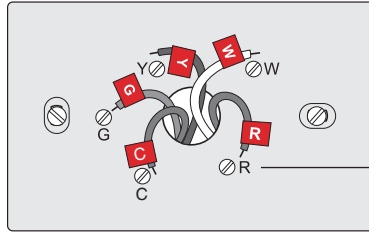
5 Mount wallplate for smart thermostat.

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

   If necessary:

   Drill 4.5mm holes for drywall.

   Drill 5.5mm 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.

Wallplate
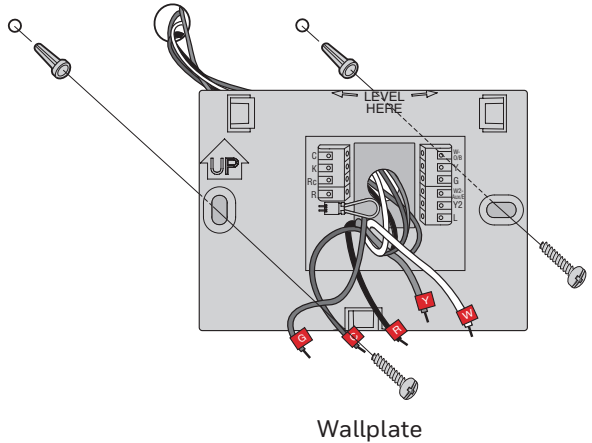
Installing your thermostat

Important! The Smart 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 honeywellhome.com/wifi-thermostat

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 **getconnected.honeywellhome.com**

Wiring

For **conventional** heating/cooling systems (natural gas, oil or electric furnace, air conditioner), see page 5. See "Glossary" on page 33 for further definition.

For a **heat pump** system, see page 6. See "Glossary" on page 33 for further definition.

Wiring (Conventional System)

6A Wire the smart thermostat to your conventional system.

    a Starting with the C Wire, match the sticky tag on the wire to the terminal labels.

    You must have a C wire.

    b Straighten wire and gently slide into terminal hole until it clicks into place. (If you need to remove a wire, use a pen tip to press the terminal release and then pull wire out.)

Note: Refer to the wiring picture you took in Step 2.

Tip: To make it easier to slide the wire into place, use a pen tip to hold down the terminal release.

Note: The wiring for your application might be different than the wiring shown below.

Terminal release

EXAMPLE WIRING
Yours may look different
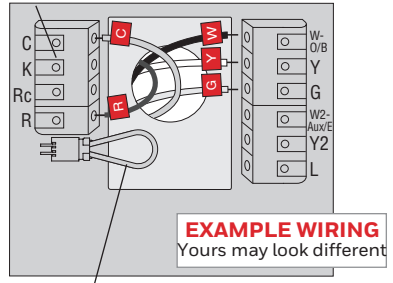
Remove jumper loop ONLY if you have both **R and Rc** wires.

❓ Labels **don't match?**
See alternate wiring keys on pages 7-8.

Installing your thermostat

Wiring (Conventional System continued)

c   In the image on the right, check the box next to each connection. You will use this checklist in Step 9.

d   Verify wire is firmly secured by gently pulling on wire.

e   Repeat steps a–d for all other wires.

f   Push any excess wire back into the wall opening after all wires are installed.

g   Continue to page 8.

Important!

Check the box for each wire you connect. You will need this information in Step 9.

C ☐		W-O/B ☐
K ☐		Y ☐
Rc ☐		G ☐
R ☐		W2-Aux/E ☐
		Y2 ☐
		L ☐

Labels don't match? See alternate wiring keys on pages 7–8.

Wiring (Heat Pump System)

6B   Wire smart 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 5.

b   Slide wire gently into terminal hole until it clicks into place. (If you need to remove a wire, use a pen tip to press the terminal release and then pull the wire out.)

Note: Refer to the wiring picture you took in Step 2.

Tip: To make it easier to slide the wire into place, use a pen tip to hold down the terminal release.

Note: The wiring for your application might be different than the wiring shown below.

Terminal release

EXAMPLE WIRING
Yours may look different
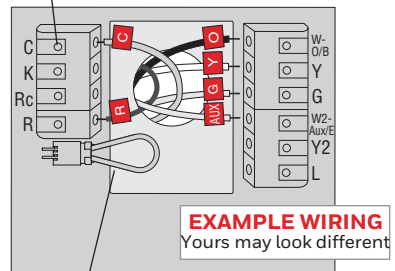
Remove jumper loop ONLY if you have both **R and Rc** wires.

Labels don't match? See alternate wiring keys on pages 7–8.

Installing your thermostat

Wiring (Heat Pump System continued)

c In the image on the right, check the box next to each connection. You will use this checklist in Step 9.

d Verify wire is firmly secured by gently pulling on wire.

e Repeat steps a–d for all other wires.

Note: If old thermostat has separate wires on **AUX** and **E**, use a wire nut to attach both wires to a separate wire. Slide this third wire into the **W2-Aux/E** terminal.

f Push any excess wire back into the wall opening after all wires are installed.

g Continue to page 8.

Important!

Check the box for each wire you connect. You will need this information in Step 9.

C	☐	☐	W-O/B
K	☐	☐	Y
Rc	☐	☐	G
R	☐	☐	W2-Aux/E
		☐	Y2
		☐	L

? Labels **don't match?**
See alternate wiring keys on pages 7-8.

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 5.
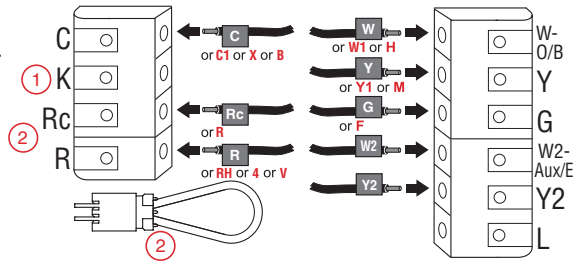
Alternate wiring key (Conventional System)

① Do not use **K** terminal. For future use.

② • If you have both an **R** and **Rc** wire, unplug the jumper loop by pulling on the wire loop.

• If your old thermostat had both **R** and **RH** wires, connect the **R** wire to the **Rc** terminal, the **RH** wire to the **R** terminal, and unplug the jumper loop.

Installing your thermostat

Alternate wiring (Heat Pump System)

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

Note: You must have a C wire or equivalent. See page 5.

C
or **X** or **B**

① K

② Rc
or **R**

③ R
or **V** or **VR**

②

C
or **X** or **B**

Rc

R

O
or **B** or **H**

Y
or **Y1** or **M**

G
or **F**

AUX
or **X** or **X2** or **W** or **W1** or **W2**

Y2

L
or **F**

W-O/B ④

Y ⑤

G

W2-Aux/E ⑥

Y2

L ⑦
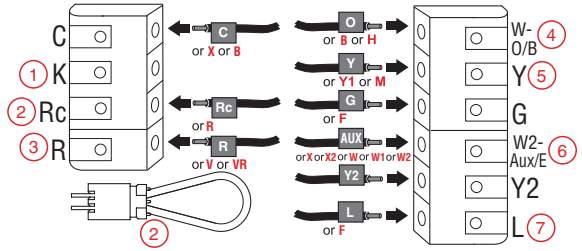
Alternate wiring key (Heat Pump System)

① Do not use **K** terminal. For future use.

② Leave jumper loop in place.

③ If your old thermostat had both **V** and **VR** wires, check honeywellhome.com/wifi-thermostat for help.

④ 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 honeywellhome.com/wifi-thermostat for help. Attach the **O** wire to the **O/B** terminal. On the Type of Changeover Valve screen, select Cooling Changeover Valve. See page 28. If your old thermostat had an **O** wire and not a **B** wire, attach the **O** wire to the **O/B** terminal.

⑤ If your old thermostat had separate **Y1**, **W1**, and **W2** wires, check honeywellhome.com/wifi-thermostat for help.

⑥

⑦ If the old thermostat has separate wires on **Aux** and **E**, use a wire nut to attach both wires to a separate wire. Slide this third wire into the **W2-Aux/E** terminal.

This is the system monitor. If the monitor finds a problem, you will see an orange alert button on the thermostat home screen.

7   Attach thermostat to wallplate.

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

Wallplate

LEVEL HERE

UP
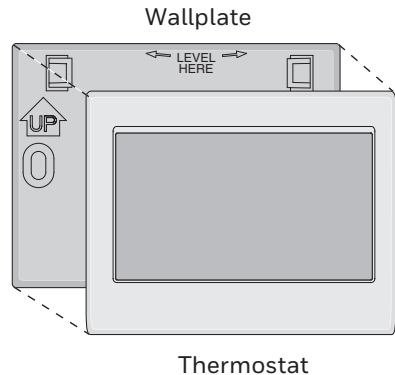
Thermostat

Installing your thermostat

8 Switch heating/cooling system ON.

Important!

8a Verify that the C wire is connected at the thermostat and at the heating/cooling system.

8b Make sure the heating/cooling system door is firmly secured.

8c Switch power back ON for your heating/cooling system at the breaker box or its power switch.

or

Circuit breaker box

Heating/ cooling system power switch
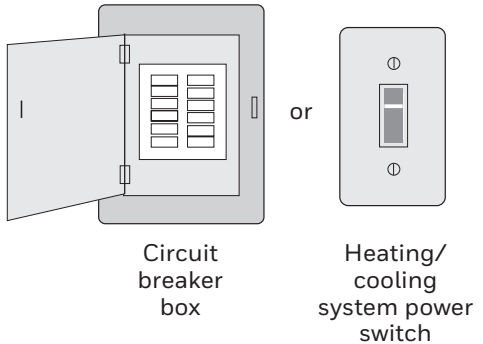
Before connecting to your Wi-Fi network, you need to set initial thermostat options to define your heating/cooling system:

- Language
- Home or business

You can customise other options later.

9 Follow prompts on the screen to select appropriate options.

9a Touch the language you want the thermostat to display, then touch **Next**.

9b Select Home or Business installation, then touch **Next**.

9c Touch **Next**, or name the thermostat location—touch THERMOSTAT and follow the rest of the instructions.

9d Select what your thermostat will control and touch **Next**.

Note: Touch the orange Help button on any screen for more information.
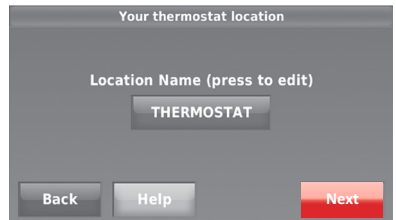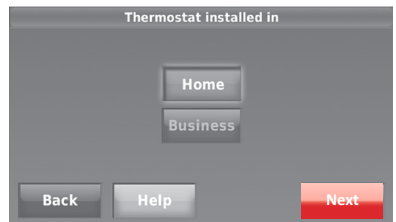
Installing your thermostat

9e Select your system type and touch **Next**. The system type determines other selections for completing initial setup. Use the checklist from Step 6d when making selections.

9f Touch **Next** after making selections on each screen.

9g Touch **Done** on the last screen. The thermostat displays an option to connect to your Wi-Fi network.

Note: Touch the orange Help button on any screen for more information.
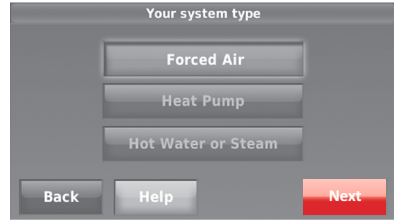
Connecting to your Wi-Fi network

After touching **Done** on the final screen of the initial set up, the thermostat displays an option to connect to your Wi-Fi network.

1 Connect the Wi-Fi network.

Touch **Yes** to connect the thermostat to your Wi-Fi network. The screen displays the message "Searching for wireless networks. Please wait..." after which it displays a list of all Wi-Fi networks it can find.

Note: If you cannot complete this step now, touch **I'll do it later**. The thermostat will display the home screen. Complete this process by selecting **MENU** > **Wi-Fi Setup**. Continue with Step 2.

2 Select the network.

2a Touch the name of the network you want to use. The thermostat displays a password page.
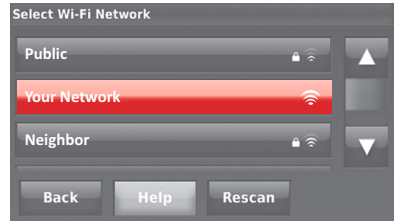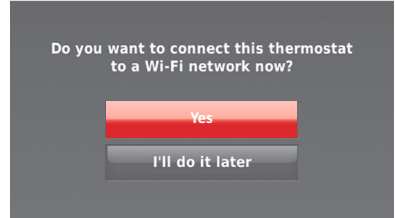
Note: If your home network is not shown on the list, touch **Rescan**.

Connecting to your Wi-Fi network

2b Using the keyboard, touch the characters that spell out your home network password.

2c Touch **Done**. The thermostat displays "Connecting to your network. Please wait..." then shows a "Connection Successful" screen.

2d Touch **Next** to display the registration information screen.

2e Note your Thermostat MAC and Thermostat CRC. You need these numbers to complete online registration.

To register your thermostat, follow the instructions beginning on page 13.

Note: The Register Online screen remains active until you complete registration and/or touch **Done**.

Note: If you touch **Done** before you register online, your home screen displays an orange alert button telling you to register. Touching that button displays registration information and an option to snooze the task.

Enter Wi-Fi network password for HomesEng2

| q | w | e | r | t | y | u | i | o | p |

| a | s | d | f | g | h | j | k | l |

Shift | z | x | c | v | b | n | m | ←

Cancel | .?123 | Space | Done

Connection Successful

Your thermostat has successfully connected to Your Network.

Next

Register Online for Remote Access

Please visit **http://www.mytotalconnectcomfort.com** on your tablet, personal computer, or smart phone to setup your thermostat for remote access. You will need the following information:

Thermostat MAC: **0123456789ab**
Thermostat CRC: **1234**

Help | Done

HOME | FAN | SYSTEM | MENU

Register online for remote access

Press for info

INDOOR
72°
45% Humidity

SET TO
72°

following schedule

Disconnecting your Wi-Fi network

1 Touch **MENU**.

2 Select **Wi-Fi Setup**.

3 Touch **Disconnect from Network**. The thermostat will display a question to confirm your selection.

4 Touch **Yes** to confirm that you want to disconnect from the network. The thermostat will display the Wi-Fi Setup screen.

5 Touch **OK** to display the menu.

| HOME | FAN | SYSTEM | MENU |

Wi-Fi Setup

System Setup

Menu > Wi-Fi Setup

Signal Strength:
Wi-Fi Network: **Your Network**
Status: **Unknown**
IP Address: **192.168.0.100**
Thermostat MAC: **0123456789ab**
Thermostat CRC: **1234**

Visit **http://www.mytotalconnectcomfort.com** to setup your thermostat for remote access.

| Help | Disconnect from Network | Done |

Are you sure you want to disconnect from Your Network?

| Yes | No |

Reconnecting your Wi-Fi network

1 Touch **MENU**.

2 Select **Wi-Fi Setup**.

3 Touch the name of the network you want to use. The thermostat may display a password page.

4 To enter a password, touch characters to spell out your home network password, then touch **Done**.

5 The thermostat displays "Connecting to your network. Please wait..." then a "Connection Successful" screen.

6 Touch **Next**.

   • If your thermostat is registered, you will see your signal strength and other status information. Touch **Done**.

   • If the screen displays "Register Online for Remote Access," follow instructions on page 13.

| HOME | FAN | SYSTEM | MENU |

Wi-Fi Setup

System Setup

Menú > Configuración Wi-Fi > Seleccione la red WiFi

Público

Su red

Vecino

| Previo | Ayuda | Reescanear |

Registering your thermostat online

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

1   Open the Get Connected website.

Go to **getconnected.honeywellhome.com**

View the smart Thermostat Registration video at **getconnected.honeywellhome.com**
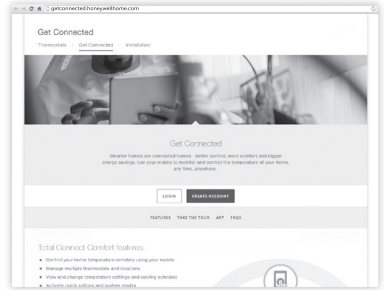
2   Login or create an account.

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.
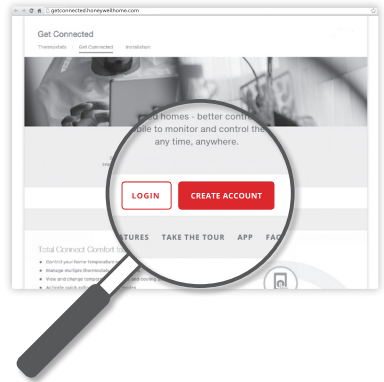
Registering your thermostat online

3 Register your smart 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 Register Online screen or on the Thermostat ID Card included in the thermostat package. The IDs are not case sensitive.

Thermostat ID Card
Use the MAC ID and CRC ID to register this product at mytotalconnectcomfort.com

Carte d'identification de thermostat
Utilisez l'identification MAC et l'identification CRC pour enregistrer ce produit à mytotalconnectcomfort.com

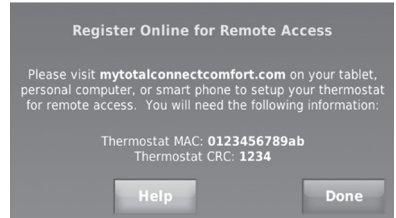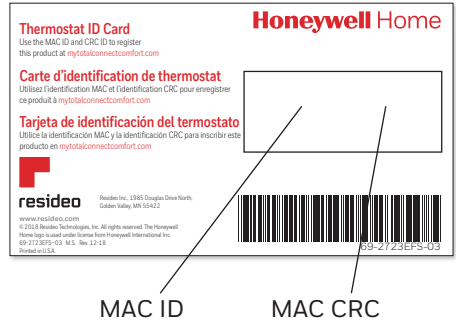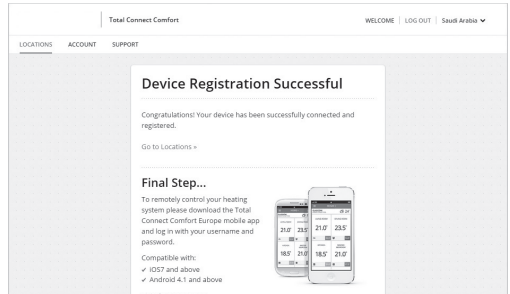**Tarjeta de identificación del termostato**
Utilice la identificación MAC y la identificación CRC para inscribir este producto en mytotalconnectcomfort.com

Honeywell Home

resideo

Resideo Inc., 1985 Douglas Drive North, Golden Valley, MN 55422
www.resideo.com
© 2018 Resideo Technologies, Inc. All rights reserved. The Honeywell Home logo is used under license from Honeywell International Inc.
69-2723EFS-03 M.S. Rev. 12-18
Printed in U.S.A.

69-2723EFS-03

MAC ID   MAC CRC

Register Online for Remote Access

Please visit **mytotalconnectcomfort.com** on your tablet, personal computer, or smart phone to setup your thermostat for remote access. You will need the following information:

Thermostat MAC: **0123456789ab**
Thermostat CRC: **1234**

Help   Done

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

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

Total Connect Comfort   WELCOME | LOG OUT | Saudi Arabia ✔

LOCATIONS   ACCOUNT   SUPPORT

Device Registration Successful

Congratulations! Your device has been successfully connected and registered.

Go to Locations »

Final Step...
To remotely control your heating system please download the Total Connect Comfort Europe mobile app and log in with your username and password.

Compatible with:
✔ iOS7 and above
✔ Android 4.1 and above

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

Download on the App Store

GET IT ON Google Play

Select your store   Get the App

Setting the time/date

1　Touch the current time. The screen displays **Set Time/Set Date**.

2　Touch **Set Time** or **Set Date**.

3　Touch ▲ or ▼ until the proper time/date is displayed.

4　Touch **Done** to save or **Cancel** to ignore changes.

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.
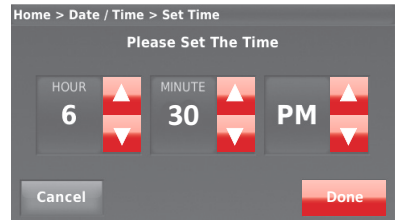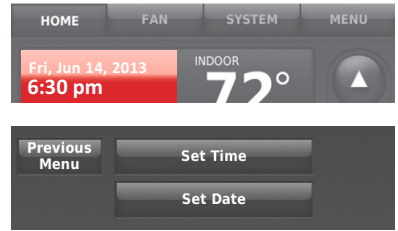
Setting the fan

1　Touch **FAN** to display fan settings.

2　Touch **On**, **Automatic**, **Circulate**, or **Follow Schedule**.
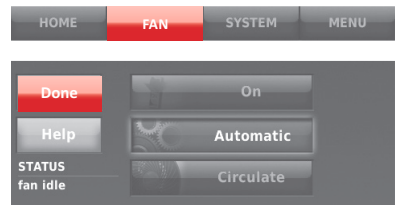
3　Touch **Done** to save and exit.

　　On: Fan is always on.

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

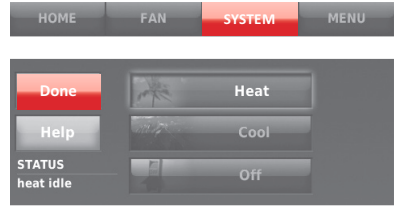　　**Circulate:** Fan runs randomly about 35% of the time (home use only).

　　Follow Schedule: Fan controlled by program (see pages 16-18).

Note: Touch Auto or On to temporarily override the programmed fan schedule.

Setting system mode

1 Touch **SYSTEM** to display system settings.

2 Touch desired option:

> **Heat:** Thermostat controls only the heating system.
>
> **Cool:** Thermostat controls only the cooling system.
>
> **Off:** Heating/cooling systems are off.
>
> **Automatic:** Thermostat selects heating or cooling as needed depending on the indoor temperature.
>
> **Emergency Heat (heat pumps with aux. heat):** Controls auxiliary/emergency heat. Compressor is locked out.

3 Touch **Done** to save and exit.

Note: The **Automatic** and **Emergency Heat** system settings may not appear, depending on how your thermostat was installed.

Pre-set energy-saving schedules

This thermostat uses default Energy Saver settings that can reduce your heating/cooling expenses. To customise settings, see next page.

	Period	Start time	Heat (Mon-Fri)	Cool (Mon-Fri)	Heat (Sat-Sun)	Cool (Sat-Sun)
Home Use	**Wake**	6:00 am	70°F (21°C)	78°F (25.5°C)	70°F (21°C)	78°F (25.5°C)
	Leave	8:00 am	62°F (16.5°C)	85°F (29.5°C)	62°F (16.5°C)	85°F (29.5°C)
	Return	6:00 pm	70°F (21°C)	78°F (25.5°C)	70°F (21°C)	78°F (25.5°C)
	Sleep	10:00 pm	62°F (16.5°C)	82°F (28°C)	62°F (16.5°C)	82°F (28°C)

	Period	Start time	Heat	Cool	Fan
Business Use	**Occupied 1**	8:00 am	70°F (21°C)	75°F (24°C)	On
	Unoccupied 1	10:00 pm	55°F (13°C)	85°F (29.5°C)	Auto
	Occupied 2*	12:00 am	70°F (21°C)	75°F (24°C)	On
	Unoccupied 2*	12:00 am	55°F (13°C)	85°F (29.5°C)	Auto

* Period 2 is cancelled by default. If you activate it, the values shown above are default settings.

Adjusting program schedules

1 Touch **MENU**.

2 Select **Create/Edit Schedule**.

- Touch **View/Edit** to view the full schedule and make a quick adjustment.

- Touch **Guide Me** to create a schedule by answering simple questions.

- Touch **I'll do it myself** to manually create a program schedule.

Note: To reduce costs, use the pre-set Energy Saver settings described on page 16.

If you selected **I'll do it myself** on the Create/Edit Schedule screen follow these steps:

1 Select the days to schedule, touch **Next**.

2 Touch **Wake** to set your Wake time for selected days.

3 Touch ▲ or ▼ to set Heat and Cool temperatures for the Wake period, then touch **Done**.

4 Touch other time periods (**Leave**, **Return**, **Sleep**) to set time and temperatures for each.

5 Touch **Done** to save and exit.

Note: Touch **Delete Period** to eliminate any unwanted time period.

Note: Touch **Fan Settings** to customise fan settings for any time period.

Note: When configured for business, the thermostat uses **Occupied** and **Unoccupied** instead of **Wake**, **Leave**, **Return**, and **Sleep**.
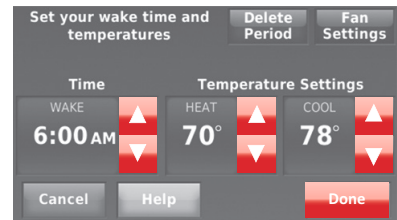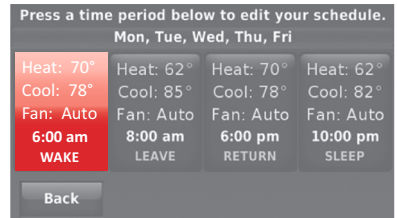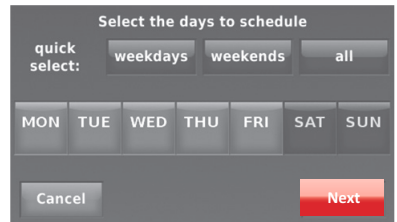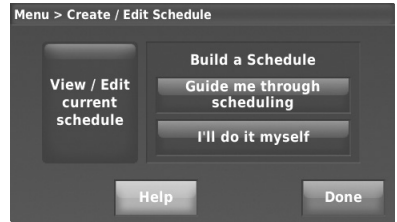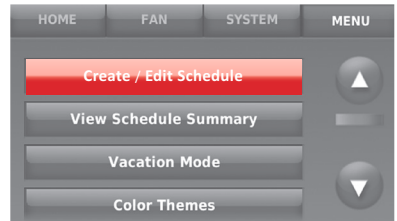
Overriding schedules: home use

1   Touch ▲ or ▼ to adjust the temperature (right side of screen) and the Hold Until time (left side). The schedule will resume when the Hold Until time expires.

2   Touch **Switch to Permanent Hold** to keep the same temperature until you change it or resume the program schedule.
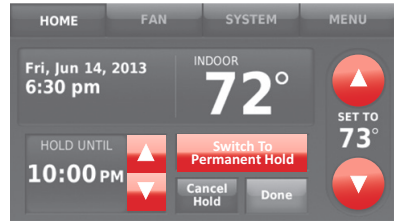
3   Touch **Cancel Hold** at any time to resume the program schedule.

Overriding schedules: business use

Touch ▲ or ▼ to adjust the temperature. It will be maintained until the hold time you set.

- To change the hold time, touch the Hold Until arrow buttons. This time can be adjusted up to the maximum time set on the Override Duration screen in Advanced Preferences (page 27).

- Touch **Override** to use a pre-set occupied temperature if a person uses the room during an unoccupied period. The new temperature will be maintained for 1 hour and can be adjusted up to the maximum time set on the Override Duration screen in Advanced Preferences (page 27).

The programmed schedule will resume when the override timer expires. Touch **Cancel Hold** at any time to resume the program schedule.
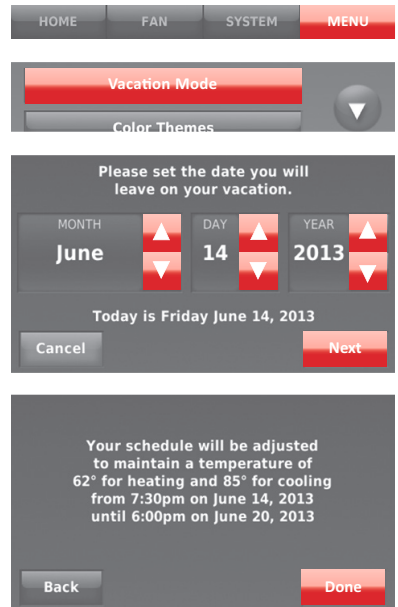
Viewing equipment status

1 Touch **MENU**.

2 Select **Equipment Status**.

3 Touch ▲ or ▼ to view the status of all the equipment your thermostat is controlling. Depending on how your thermostat was installed, the Equipment Status screen can report data about the following systems:

   • Heating and cooling

   • Fan

   • Thermostat information

| HOME | FAN | SYSTEM | MENU |

| HOME | FAN | SYSTEM | MENU |

Color Themes

Preferences

Equipment Status

Menu > Equipment Status

System Status: heat mode
- Heat Stage 1: Off
- Cool Stage 1: Off

Fan mode: Automatic
- The fan is currently idle

Done
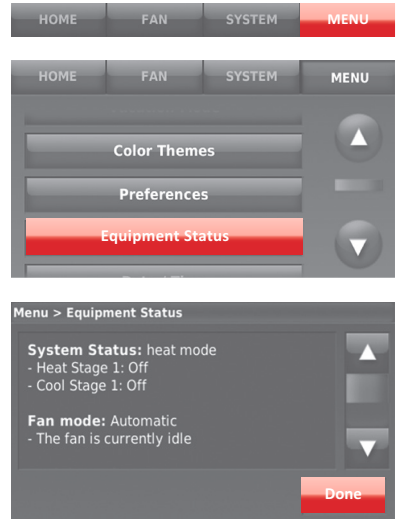
Setting vacation hold: home use

This feature helps you save energy while you are away, and restores comfortable settings just before you return home.

1 Touch **MENU**.

2 Select **Vacation Mode**.

3 Touch ▲ or ▼ to select the date you leave, then touch **Next** for further scheduling details, including times of day, temperature settings, return date, and return settings.

4 Review your selections on the last display, and touch **Done** to save your settings. Touch **Back**, then **Cancel** to ignore the changes.

| HOME | FAN | SYSTEM | MENU |

Vacation Mode

Color Themes

Please set the date you will leave on your vacation.

MONTH   DAY   YEAR
June   14   2013

Today is Friday June 14, 2013

Cancel   Next

Your schedule will be adjusted
to maintain a temperature of
62° for heating and 85° for cooling
from 7:30pm on June 14, 2013
until 6:00pm on June 20, 2013

Back   Done

Setting holiday/event schedules: business use

This feature helps you conserve energy when the workplace is unoccupied for special events and holidays.

1 Touch **MENU**.

2 Select **Holiday/Event Scheduler**.

3 Select the item you want to schedule.

  • Custom Events lets you set up other days for special schedules.

  • US and Canadian Holiday options let you select from a list of holidays commonly observed in each country.

4 Make selections as prompted on each screen. For more information, see next two pages.

5 Touch **Done** to save your settings.
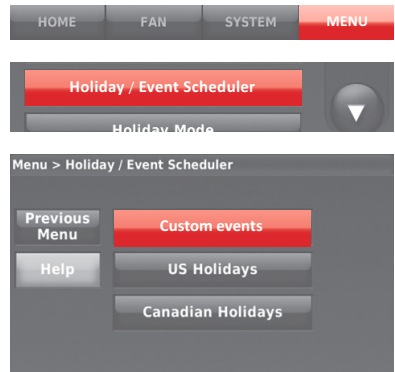
Setting custom events: business use

This feature lets you customise temperature settings to be maintained during a specific event. You can set up an event for a specific date or day in a month. The thermostat resumes normal scheduling after the event.

1 Select **Custom events** from the Holiday/Event Scheduler menu.
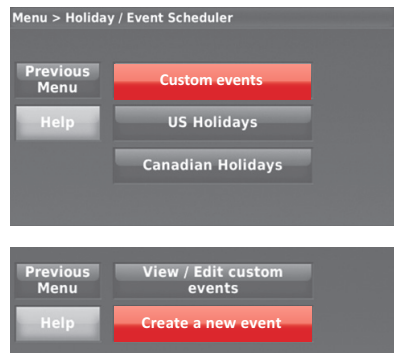
Setting custom events: business use

2 Select **Create a new event**.

3 Select **Specific Date** or **Month/Weekday**.

- For **Specific Date**, you are prompted to select the start date, settings, end date, and frequency for the event.

- For **Month/Weekday**, you are prompted to select the month, day of the week, week of the month, settings, length of event, and frequency of the event.

4 Review the settings and touch **Done** to save them. Touch **Back**, then **Cancel** to ignore the changes.
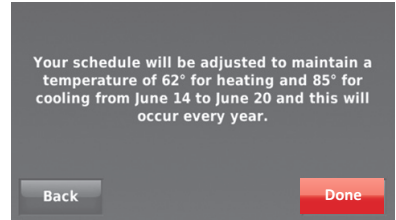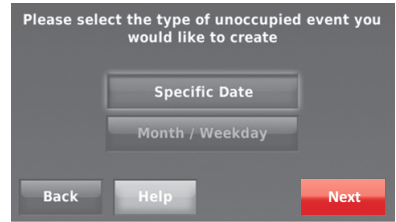
Setting holiday schedule: business use

This feature lets you customise temperature settings to be maintained on specified national holidays. The thermostat resumes normal scheduling between selected holidays.

1 Select **US Holidays** or **Canadian Holidays** from the Holiday/Event Scheduler menu.

2 Select **Add/Edit Holidays**. A list of national holidays is displayed.

3 Touch the check box next to each holiday for which you want to maintain specific settings, (Touch ▲ or ▼ to scroll through the holiday list.) then touch **Next**.

Set the holiday schedule for Occupied or Unoccupied temperatures, depending whether the building will be in use.

4 Touch ▲ or ▼ to select the Heat and Cool temperatures.

5 Review the settings and touch **Done** to save them. Touch **Back**, then **Cancel** to ignore the changes.
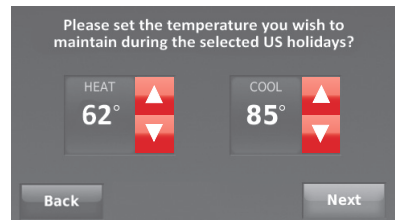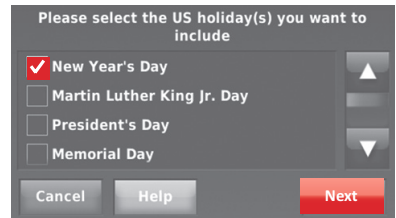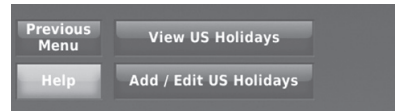
Setting holiday override: business use

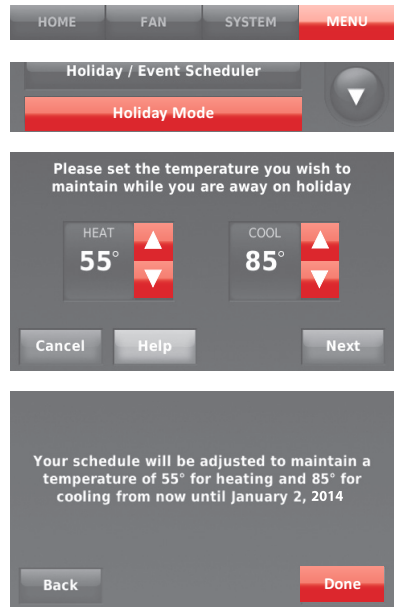This feature lets you customise temperature settings to be maintained from now until a specified date. The thermostat resumes normal scheduling on the date you select.

1 Touch **MENU**.

2 Select **Holiday Mode** to display temperatures while you are away on holiday.

3 Touch ▲ or ▼ to select the Heat and Cool temperatures, then touch **Next** to select return date.

4 Review the settings and touch **Done** to save them. Touch **Back**, then **Cancel** to ignore the changes.

Note: The cool temperature can only be set higher than the unoccupied program setting and the heat temperature can only be set lower than the unoccupied program setting.

HOME	FAN	SYSTEM	MENU

Holiday / Event Scheduler

Holiday Mode   ▼

Please set the temperature you wish to maintain while you are away on holiday

HEAT   ▲
55°   ▼

COOL   ▲
85°   ▼

Cancel   Help   Next

Your schedule will be adjusted to maintain a temperature of 55° for heating and 85° for cooling from now until January 2, 2014

Back   Done

Initiating occupancy mode: business use

This feature keeps temperature at an energy-saving level until you touch **Press to start occupancy**. When you arrive, touch the button to maintain a comfortable temperature while the room is occupied.

Touch the ▲ or ▼ buttons to set the temperature or the Hold Until time. The temperature is maintained until the time you set. Temperature returns to an energy-saving level after the timer expires, or the "Occupied" period ends.

HOME	FAN	SYSTEM	MENU

Fri, Jun 14, 2013
8:00 am

OFFICE
unoccupied

OUTDOOR
80° / 55% Humidity

85°

45% Humidity

SET TO
85°

STATUS
cool mode

Press to start
occupancy
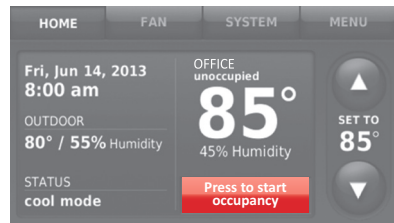
Customizing screen colour

You can customise your thermostat display to match your décor.

1 Touch **Menu**.

2 Touch **Colour Themes**.

3 Select the name of a colour to use a predefined background, or select Custom to define you own background colour and text.

- If you select a colour name, the screen shows an example on the left. Touch **Done** to accept that selection.

- If you touch **Custom**, the screen gives you instructions. Touch **Next** to step through the choices; touch **Done** when you are satisfied with your changes.
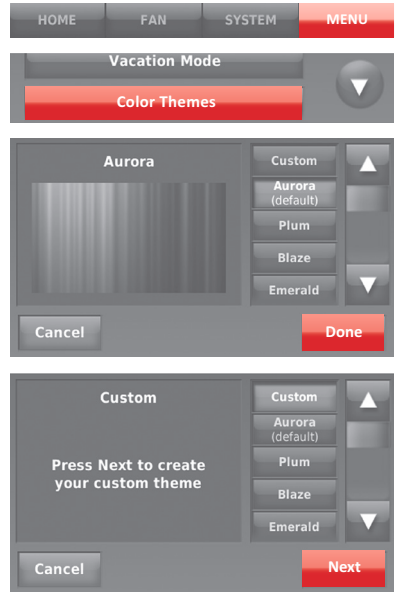
Setting preferences

Preference menu options let you select how the thermostat displays information or responds to certain situations.

1 Touch **MENU** and select **Preferences**.

2 Select an option and follow prompts:
- Reminders
- Utility Schedule Options
- Backlight
- Smart Response Technology*
- Advanced Preferences
- Restore Default Schedule

3 Touch **Done** to save your settings. Touch **Cancel** to ignore changes.
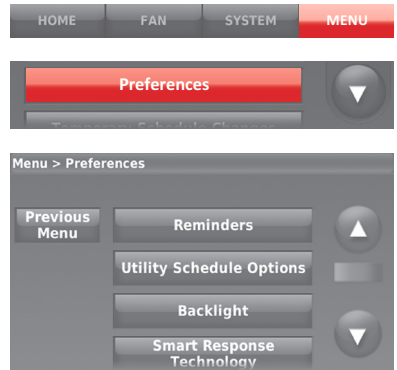
* Smart Response is not available if thermostat is configured for business.

Cleaning the thermostat screen
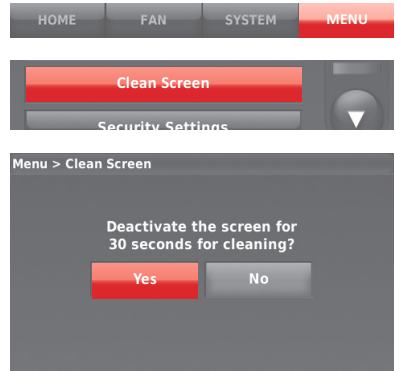
When you select the Clean Screen option, the screen is locked so you don't accidentally change settings while you clean.

1 Touch **MENU**.

2 Select **Clean Screen**. A prompt asks if you want to clean the screen for 30 seconds.

3 Touch **Yes**. A countdown timer displays elapsed time until the screen is reactivated.

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

| HOME | FAN | SYSTEM | MENU |

Clean Screen

Security Settings

Menu > Clean Screen

Deactivate the screen for 30 seconds for cleaning?

Yes   No

Adjusting security settings

You can adjust security options to prevent unauthorized changes to system settings.

1 Touch **MENU** and select **Security Settings**.

2 Select **Change Lock Mode**.

3 Select an option and follow prompts:

> **Unlocked:** Full access allowed.
>
> **Partially locked:** Only temperature can be changed.
>
> **Fully locked:** No access allowed.

Note: If you choose to use a password for additional security, write it here for reference:

| HOME | FAN | SYSTEM | MENU |

Clean Screen

Security Settings

Menu > Security Settings

Previous Menu   Change Lock Mode

Help   Create Password

Menu > Security Settings > Change Lock Mode

Unlocked

Partially Locked

Fully Locked

Cancel   Help   Done
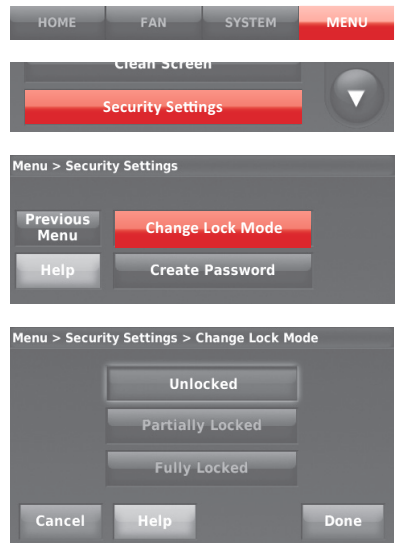
Software updates

Resideo 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.
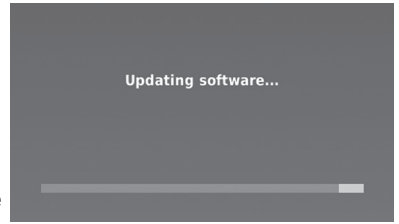
Updates occur in the early morning. After your thermostat receives the software, it reboots. The screen then shows "Updating software..." with a green progress bar. When the update is complete, your home screen will appear as usual.

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

Unregistering your thermostat

To remove a thermostat from your Total Connect Comfort account follow these steps:

1   On **mytotalconnectcomfort.com** log into your account.

2   Under **LOCATIONS**, click on the location you want to remove

3   Click the **Delete Location** link to remove this location.

You will be returned to the **LOCATIONS** screen and your thermostat will display an orange button that says **Register Online**.
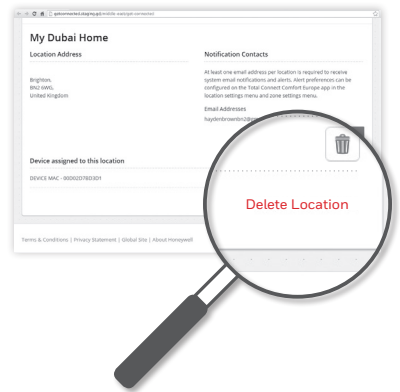
Smart Response Technology*

This feature (home use only) 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° (21°C). The heat will come on *before* 6:00 am, so the temperature is 70° (21°C) by 6:00 am.

Note: Select Smart Response Technology in the Preferences menu ("Setting preferences" on page 23).
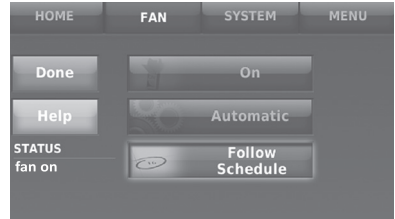
The message "in recovery" is displayed when the system is activated before a scheduled time period.

* Smart Response is not available if thermostat is configured for business.

Pre-occupancy purge

This business use feature turns on the fan 1 to 3 hours before each "occupied" time period, to provide a comfortable work environment when you arrive.

Compressor protection

The thermostat keeps the compressor off for a few minutes before restarting, to prevent equipment damage. During this "off" time, the message "waiting for equipment" 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 **Automatic**, 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: Select **Auto Changeover** on the Heating and Cooling System Changeover screen under Advanced Preferences. See "Setting advanced preferences" on page 27.
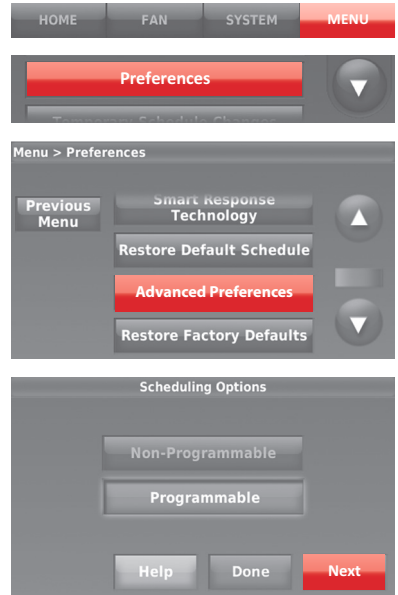
Setting advanced preferences

You can change options for a number of system functions. Although many options, such as language and temperature indication settings are the same for all set-ups, others depend on the type of system you have.

1. Touch **MENU**. The thermostat displays a list of options.

2. Select **Preferences** > **Advanced Preferences**. The thermostat displays the first screen of options that you can change.

3. On each screen, make changes as needed, then touch **Next** to display new options. Repeat this step until you have made all changes.

   Tables on pages 27-28 explain the screens and options under Advanced Preferences.

4. When you have made all changes, press **Done** to save and exit.

Advanced Preferences Options (MENU > Preferences > Advanced Preferences)

Screen Title	Settings and Options
Scheduling Options	Select Non-programmable or Programmable. Programmable uses default or customised programming to automatically raise and lower temperature settings for different times of day.
Temperature Indication Scale	Select Fahrenheit or Celsius **(default setting = Fahrenheit)**.
Heating and Cooling System Changeover	Select Manual or Automatic.
Number of Schedule Periods	Select 2 Periods Per Day or 4 Periods Per Day. (see page 16).
Pre-occupancy Purge Duration*	Select how long the fan will run before each occupied period: Off, 1, 2, or 3 hours.
Type of Override*	Select Standard to maintain the programmed periods or Initiate Occupancy to use energy-saving settings until a user presses Start Occupancy.
Override Duration*	Select how long to maintain temperature during an override: 1-10 hours or No Limit.

* These settings are only available if thermostat is configured for business.

Setting advanced preferences

Advanced Preferences Options (concluded)

Screen Title	Settings and Options
Early Recovery for Heating*	Select No to begin recovery on schedule or Yes to ramp up temperature early.
Early Recovery for Cooling*	Select No to begin recovery on schedule or Yes to ramp down temperature early.
Temperature Limits	Select the Minimum Cool and Maximum Heat Limit.
Keypad Lockout	Select Unlocked/Partially Locked/Locked.
Clock Format	Select 12 Hour or 24 Hour.
Daylight Saving Time	Select Off or On. If set to On, the system will automatically change time/date to account for daylight saving.
Indoor Display Offsets	Select the number of degrees to offset indoor temperature or percentage to offset indoor humidity.

* Early recovery only available when configured for business. If configured for Home, see "Smart Response Technology*" on page 25.

Changing system setup

If your needs change, you can change the basic system settings you chose during thermostat installation (page 9).

1 Touch **MENU**. The thermostat displays a list of options.

2 Select **System Setup**. The thermostat displays the first screen of options that you can change.

3 On each screen, make changes as needed then touch **Next** to display new options. Repeat this step until you have made all changes. Table on page 29 explain the System Setup screens and options.

4 When you have made all changes, press **Done** to save and exit.

Touch the Help button to see information about screen options.

Changing system setup

Note: Touch the orange Help button on any screen for more information.

System Setup Options (MENU > System Setup)

Screen Title	Settings and Options
Language	English/Français/Español.
Thermostat installed in	Home/Business (Thermostat is used in a residential (default) or commercial setting).
Your thermostat location	Touch **THERMOSTAT** button to display a screen where you can enter a custom name using a keypad. If you have only one thermostat, you can leave the name as **THERMOSTAT**. For business installations you can check a box to display the thermostat name on the home screen.
Your thermostat controls	Select Heating or Cooling or both (default).
Your system type	Select Forced Air (default), Heat Pump, or Hot Water or Steam. Each option offers different choices on the following screens. See Step 9e under Installing your Thermostat on page 10.
Your forced air heating system type	Select how your forced air system is powered: Gas/Oil (default) or Electric.
Efficiency of your heating system	Select Standard Efficiency Forced Air (default) or High Efficiency Forced Air.
Your heating system type	If you selected Hot Water or Steam on "Your system type," select the specific heating system here.
Number of cooling stages	Select 1 Stage (default) or 2 Stages. If you are unsure, note which wires you have connected: 'Y' wire only (1 stage) or 'Y' and 'Y2'(refer to your check list in Step 6 on page 5.)
Number of heating stages	Select 1 Stage (default) or 2 Stages. If you are unsure, note which wires you have connected: 'W' wire only (1 stage) or 'W' and 'W2' (refer to your check list in Step 6 on page 5.)
Your fan control	Select whether your thermostat (default) or heating system controls the fan.
Type of changeover valve	If you selected Heat Pump on "Your system type," select whether it uses a cooling changeover valve (default) or heating changeover valve. If you are unsure, note which wires you have connected: refer to your check list in Step 6 on page 6.
Number of heat pump compressor stages	Select 1 Stage (default) or 2 Stages. If you are unsure, note which wires you have connected: 'Y' wire only (1 stage) or 'Y' and 'Y2'(refer to your check list in Step 6 on page 6.).
Your backup heat	No or Yes (default) you can determine whether you have backup heat by referring to your check list in Step 6 on page 6..

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 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.

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

A: Verify that the thermostat is correctly enrolled on your home Wi-Fi network. At Menu > Wi-Fi Setup, check for 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.

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.

For more FAQs, see **getconnected.honeywellhome.com**

Getting help and responding to alerts

Your thermostat offers two types of assistance, if these assistance options do not answer your questions, review the FAQs (page 30) and troubleshooting tips (page 32).

On screen help

Most displays include an orange Help button.

1   Touch **Help** to display instructions for using the screen.

2   Touch **OK** to redisplay the original screen.
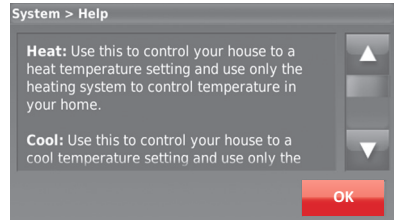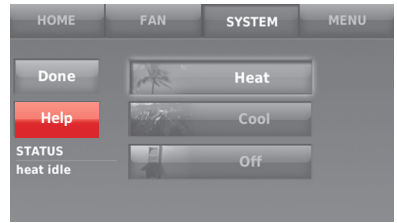
On screen alerts

Your home screen will display a large orange button when you need to correct a setting or system problem.

1   Touch the button, the thermostat displays instructions for completing the task to which you were alerted.

2   Touch **OK** on the instruction display, then carry out the task. When the task is complete, the alert button will no longer be displayed.

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.
- Make sure C wire is connected (see page 5).

Cannot change system setting to Cool
- Check that System Setup screen "Your thermostat controls" or "Your system type" is set to match your heating and cooling equipment (see page 29).

Fan does not turn on when heat is required
- Check that System Setup screen "Your fan control" is set to match your heating equipment (see page 28).

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

Heat pump issues cool air in heat mode, or warm air in cool mode
- Check your setting for System Setup screen "Type of changeover valve" to make sure it is properly configured for your system (see page 28).

Heating or cooling system does not respond
- Touch **SYSTEM** to set system to Heat. Make sure the temperature is set higher than the Inside temperature.
- Touch **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 and 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 26).

Heating system is running in cool mode
- Check that System Setup screen "Your thermostat controls" or "Your system type" is set to match your heating and cooling equipment (see "System Setup Options (MENU > System Setup)" on page 29).

Regulatory information

Glossary

C wire
The "C" or common wire brings 24 VAC power to the thermostat from the heating/cooling system. Some older mechanical or battery operated thermostats may not have this wire connection. It is necessary for establishing a Wi-Fi connection to your home network.

Heat Pump heating/cooling system
Heat pumps are used to heat and cool a home. If your old thermostat has a setting for auxiliary or emergency heat, you likely have a heat pump.

Conventional heating/cooling system
Non–heat pump type systems; these include air handlers, furnaces or boilers that run on natural gas, oil or electricity. They may or may not include an air conditioner.

Jumper Loop
In this thermostat, a plug with a wire loop located below the terminal block is used to connect the R and Rc terminals.

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.

1-year limited warranty

Resideo warrants this product, excluding battery, to be free from defects in workmanship or materials, under normal use and service, for a period of one (1) year from the date of first purchase by the original purchaser. If at any time during the warranty period the product is determined to be defective due to workmanship or materials, Resideo shall repair or replace it (at Resideo'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 Resideo Customer Care at +971 4 450 5800. Customer Care will make the determination whether the product should be returned to the following address: Resideo Return Goods, 1985 Douglas Dr. N., Golden Valley, MN 55422, or whether a replacement product can be sent to you.

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

Resideo's sole responsibility shall be to repair or replace the product within the terms stated above. RESIDEO 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 RESIDEO 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 Resideo Customer Care, 1985 Douglas Dr, Golden Valley, MN 55422 or call +971 4 450 5800.

Middle East: Resideo Middle East FZE. Customer Relations, EMAAR Business Park, Bldg 2, Shwikh Zayed Road, P.O. Box 232362, Dubai, UAE

ADEMCO FZE

Office no. 1175 & 1177, Jafza One

Jebel Ali Free Zone, Dubai, United Arab Emirates

getconnected.honeywellhome.com/middle-east

Apple, iPhone, iPad, iPod touch and iTunes are trademarks of Apple Inc.
All other trademarks are the property of their respective owners.