

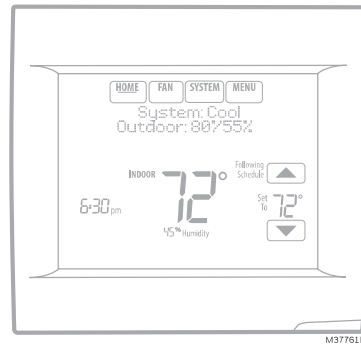
# Honeywell Home



## VisionPRO® 8000 Smart

### User Guide

TH8321WF1001,  
Read before installing



## Features of your VisionPRO 8000 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.
- Download the free Total Connect Comfort app.

Once connected to Wi-Fi and registered to Total Connect Comfort, you can control your thermostat from anywhere through your laptop, tablet, or smartphone with the Total Connect Comfort app. The Total Connect Comfort free app is available for Apple® iPhone®, iPad® and iPod touch® devices at iTunes® or at Google Play® for all Android™ devices.



### Need Help?

For assistance please visit [www.resideo.com](http://www.resideo.com),  
or call toll-free: 1-855-733-5465



**Search for local rebates:** [HoneywellHome.com/Rebates](http://HoneywellHome.com/Rebates)

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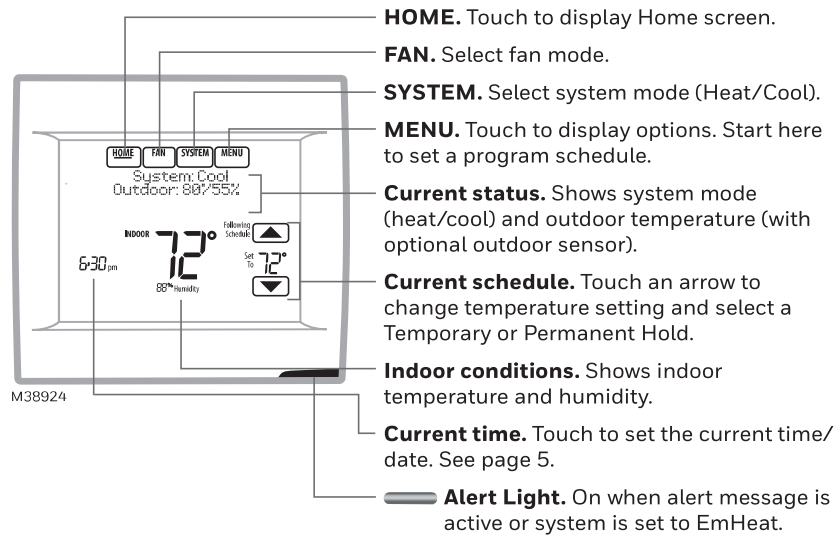


### CAUTION: ELECTRONIC WASTE NOTICE

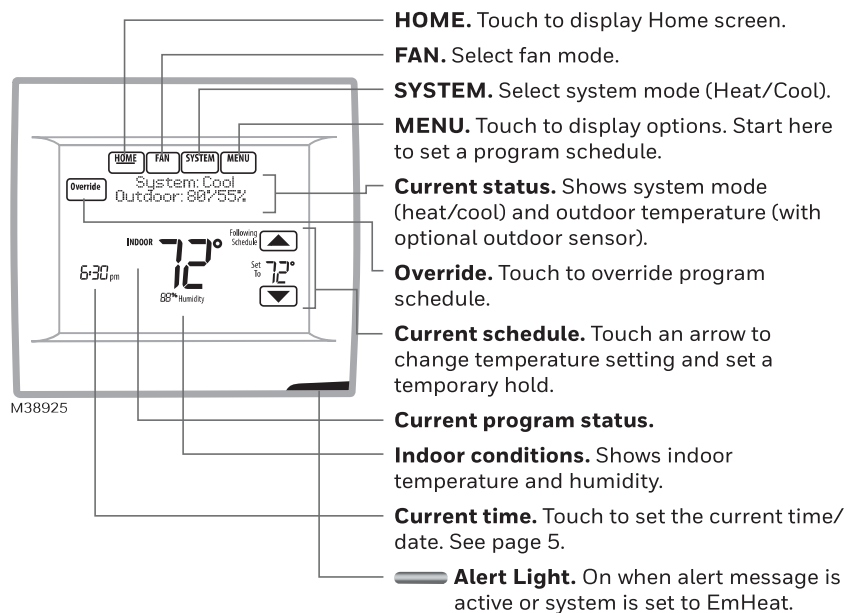
The product should not be disposed of with other household waste. Check for the nearest authorized collection centers or authorized recyclers. The correct disposal of end-of-life equipment will help prevent potential negative consequences for the environment and human health.

## Quick reference: residential use

The screen lights when you press any button. It stays lit for 45 seconds after you complete changes. Depending on how your thermostat was installed, the screen light may always be on.



## Quick reference: commercial use



# Connecting to Wi-Fi

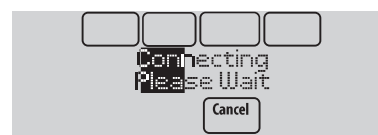
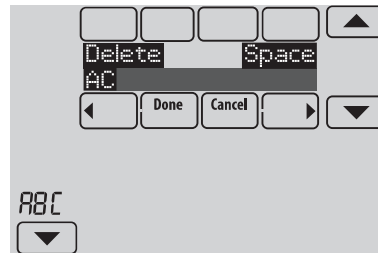
## 1 Connect to the Wi-Fi network.

- 1.1 Touch **MENU**
- 1.2 Select **Wi-Fi Setup**.  
The thermostat will scan for available Wi-Fi networks.
- 1.3 The screen displays “Finding Networks Please Wait” after which it displays a list of all Wi-Fi networks it can find.
- 1.4 Find the name of the network you want to use by pressing the arrow buttons to scroll up/down or left/right. Press the Wi-Fi network name, then press **Select**.

**NOTE:** If the Wi-Fi network name is hidden, see “Connecting to a hidden Wi-Fi network” on page 20.

- 1.5 When prompted, press the screen to edit the password (if necessary).
- 1.6 Enter the password.  
Press the ▲ or ▼ buttons to change the letter or number.  
Press the ► button to move to the next character, or the ◀ button to move to the previous character.  
Use the ▲ or ▼ buttons at the bottom to change letter case.  
Press **Done** when complete.
- 1.7 The screen will let you know when the connection is successful. Press **Done** when the connection is successful.  
If the connection is not successful, the screen will explain why not. See “Unsuccessful connection” on page 19. Follow instructions on the screen to try again.  
**NOTE:** Press the ▼ for more information about an unsuccessful connection.
- 1.8 If you want remote access to the thermostat, you must set up an account at [mytotalconnectcomfort.com](http://mytotalconnectcomfort.com) and add the thermostat to the account.  
**NOTE:** You will need the thermostat MAC and CRC IDs to add the thermostat. They are on the screen under Menu, Wi-Fi Setup.

To register your thermostat, follow the instructions beginning on page 3.



## Registering your thermostat online

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

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



- 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 Wi-Fi thermostat.

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

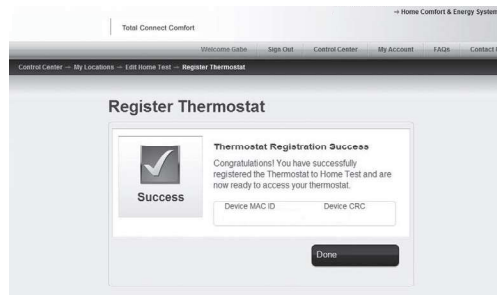
3a Follow the instructions on the screen. After adding your thermostat location, you must enter the thermostat's unique identifiers:

- MAC ID
- MAC CRC

**NOTE:** These IDs are listed on the Register Online screen. The IDs are not case sensitive.

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.



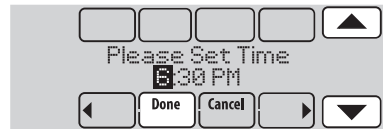
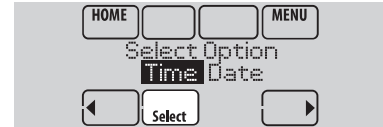
Total Connect Comfort free app is available for Apple® iPhone®, iPad® and iPod touch® devices at iTunes® or at Google Play® for all Android™ devices.



## Setting the time/date

- 1 Touch the current time. The screen displays **Select Option**.
- 2 Touch Time or Date, then touch **Select**.
- 3 Touch ▲ or ▼ until the proper time/date is displayed.
- 4 Touch **Done** to save or **Cancel** to ignore changes.
- 5 Touch **Home** to redisplay the Home screen.

**NOTE:** When registered to Total Connect Comfort, the thermostat automatically sets the time and adjusts for Daylight Saving Time.



## Setting the fan

- 1 Touch **FAN** to display fan settings.
- 2 Touch **On**, **Auto**, **Circ**, or **Follow Schedule**.
- 3 Touch **Done** to save and exit.
  - On:** Fan is always on.
  - Auto:** Fan runs only when the heating or cooling system is on.
  - Circ:** Fan runs randomly about 35% of the time (residential use only).
  - Follow Schedule:** Fan controlled by program (see pages 6–8).



**NOTE:** In commercial use, 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:** Controls only the heating system.

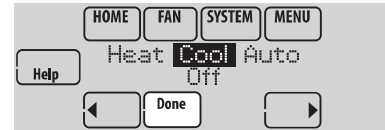
**Cool:** Controls only the cooling system.

**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.

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



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

## Preset energy-saving schedules

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

	Period	Start time	Heat	Cool	Heat	Cool
			(Mon-Fri)	(Mon-Fri)	(Sat-Sun)	(Sat-Sun)
Residential Use	<b>Wake</b>	6:00 am	70°	78°	70°	78°
	<b>Leave</b>	8:00 am	62°	85°	62°	85°
	<b>Return</b>	6:00 pm	70°	78°	70°	78°
	<b>Sleep</b>	10:00 pm	62°	82°	62°	82°
Commercial Use	Period	Start time	Heat	Cool	Fan	
	<b>Occupied 1</b>	8:00 am	70°	75°	On	
	<b>Unoccupied 1</b>	10:00 pm	55°	85°	Auto	
	<b>Occupied 2*</b>	12:00 am	70°	75°	On	
	<b>Unoccupied 2*</b>	12:00 am	55°	85°	Auto	

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



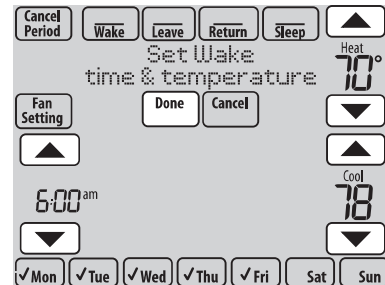
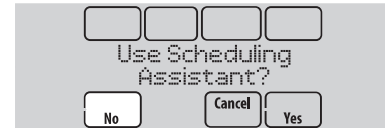
## Adjusting program schedules

- 1 Touch **MENU**.
- 2 Select **Edit Schedule** to display **Use Scheduling Assistant?**
  - Touch **Yes** to create a schedule by answering simple questions.
  - Touch **No** to manually create a program schedule.
- 3 Select the days to schedule, touch **Next**.
- 4 Touch ▲ or ▼ to set your Wake time for selected day(s).
- 5 Touch ▲ or ▼ to set Heat and Cool temperatures for the Wake period\*.
- 6 Touch other time periods (**Leave**, **Return**, **Sleep\***) to set time and temperatures for each.
- 7 Touch **Done** to save and exit (Touch **Cancel** to exit without saving changes).

**NOTE:** Touch **Cancel Period** to eliminate any unwanted time period.

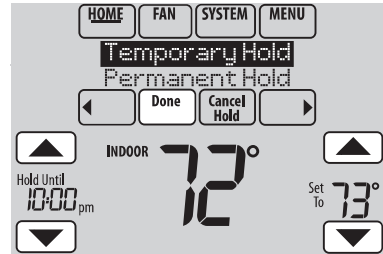
**NOTE:** Touch **Fan Setting** to customize fan settings for any time period.

\*If the thermostat is configured for light commercial, the Schedule periods will be "Occupied" and "Unoccupied" rather than "Wake, Leave, Return, Sleep".



## Overriding schedules: residential 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 Select **Permanent Hold** to keep the same temperature until you change it or resume the program schedule.
- Touch **Cancel Hold** at any time to resume the program schedule.

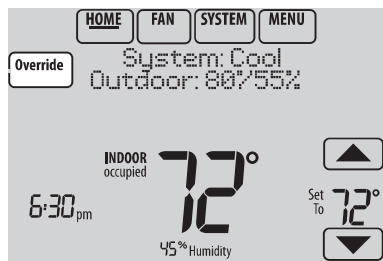
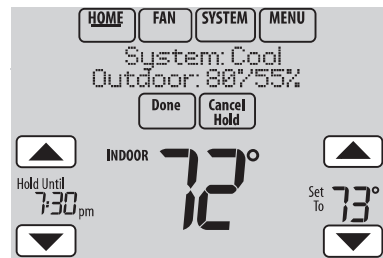


## Overriding schedules: commercial use

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

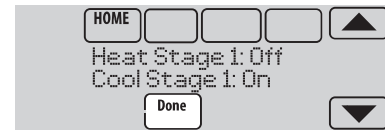
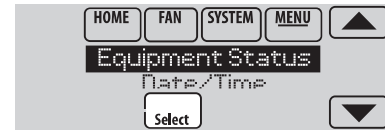
- To change the hold time, touch the Hold Until arrow buttons. This time can be adjusted up to the maximum time set by the installer.
- Touch **Override** to use a pre-set occupied temperature if a person uses the room during an unoccupied period. The new temperature will be maintained for 1 hour and can be adjusted up to the maximum time set by the installer.

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



## Viewing equipment status

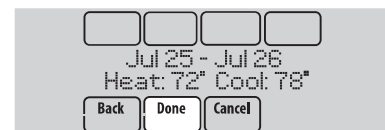
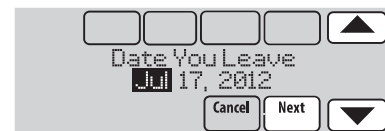
- 1 Touch **MENU**.
- 2 Select **Equipment Status**.
- 3 Touch ▲ or ▼ to view the status of all the equipment your thermostat is controlling. Depending on how your thermostat was installed, the Equipment Status screen can report data about the following systems:
  - Heating and cooling
  - Fan
  - Humidification
  - Dehumidification
  - Ventilation
  - Maintenance reminders
  - Thermostat information.



## Setting vacation hold: residential 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 **Cancel** to ignore the changes.



## Setting holiday/event schedules: commercial use

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

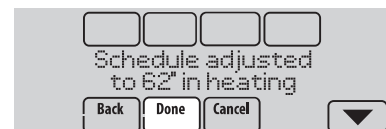
- 1 Touch **MENU**.
- 2 Select **Holiday Schedule**.
- 3 Select the item you want to schedule and touch **Next** for further scheduling details.
  - Custom Events lets you set up other days for special schedules.
  - US and Canadian Holiday options let you select from a list of holidays commonly observed in each country.
- 4 Make selections as prompted on each screen. For more information, see next page.
- 5 Touch **Done** to save your settings.



## Setting custom events: commercial use

This feature lets you customize 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 Schedule menu.
- 2 Select **Create New Event**.
- 3 Select **Specific Date** or **Month/Weekday**.
  - For **Specific Date**, you are prompted to select the event's start date, settings, end date, and frequency.
  - For **Month/Weekday**, you are prompted to select the month, day of the week, week of the month, settings, length of event, and frequency for the event.
- 4 Review the settings and touch **Done** to save them. Touch **Cancel** to ignore the changes.



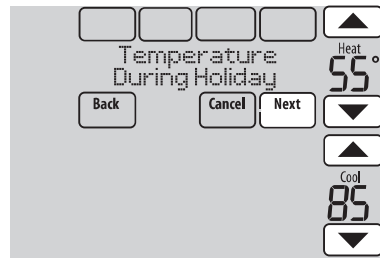
## Setting holiday schedule: commercial use

This feature lets you customize 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 Schedule 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 **Cancel** to ignore changes.

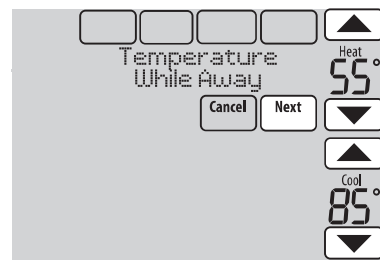
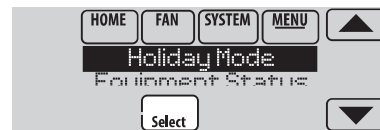


## Setting holiday override: commercial use

This feature lets you customize 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 Temperature While Away.
- 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 **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.

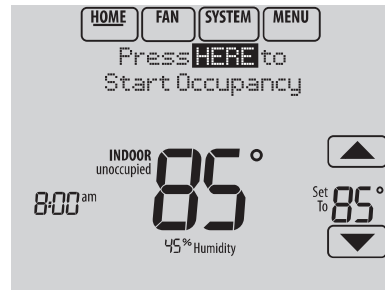


## Initiating occupancy mode: commercial use

This feature keeps temperature at an energy-saving level until you touch **Press HERE to Start Occupancy**. When you arrive, touch the message 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.

**NOTE:** This feature is available only when programmed by the installer.

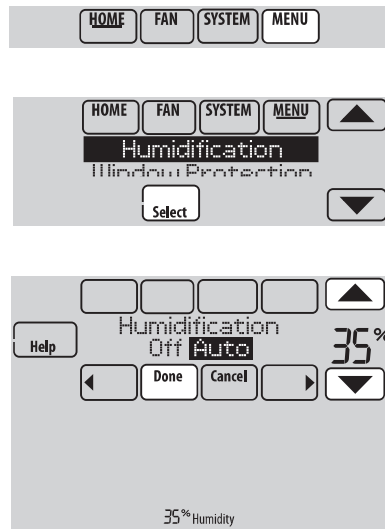


## Adjusting humidification settings

- 1 Touch **MENU** and select **Humidification**.
- 2 Select **Auto**.
- 3 Touch ▲ or ▼ to select humidity level.
- 4 Touch **Done** to save your settings. Touch **Cancel** to ignore changes.
- 5 If frost or condensation appears on the windows, touch **MENU**, then select **Window Protection**. (Use a lower number to prevent frost or condensation. Use a higher number if indoor air is too dry.)

**NOTE:** Window (frost) Protection is available only if an outdoor air sensor is installed OR if using the outdoor temperature from the Wi-Fi connection to get local outdoor weather data from the Internet.

**NOTE:** The thermostat controls humidification and dehumidification as needed to maintain the desired humidity level. Depending on how your thermostat was installed, the thermostat may maintain a 15% separation between humidification and dehumidification settings.

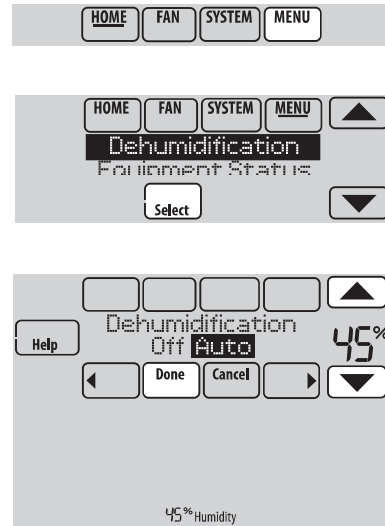


## Adjusting dehumidification settings: residential use

This feature can control a dehumidifier or use your air conditioner to reduce humidity.

- 1 Touch **MENU** and select **Dehumidification**.
- 2 Select **Auto**.
- 3 Touch ▲ or ▼ to select humidity level.
- 4 Touch **Done** to save your settings. Touch **Cancel** to ignore changes.

**NOTE:** If your air conditioner is used to control humidity, the temperature may drop up to 3° F below your temperature setting until humidity reaches the desired level.



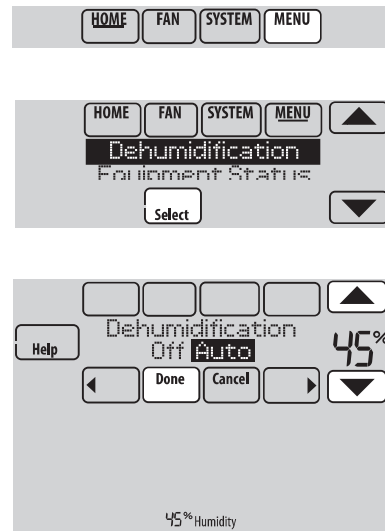
## Adjusting dehumidification settings: commercial use

This feature can control a dehumidifier or use your air conditioner to reduce humidity.

- 1 Touch **MENU** and select **Dehumidification**.
- 2 Select **Auto**.
- 3 Touch ▲ or ▼ to select humidity level.
- 4 Touch **Done** to save your settings. Touch **Cancel** to ignore changes.

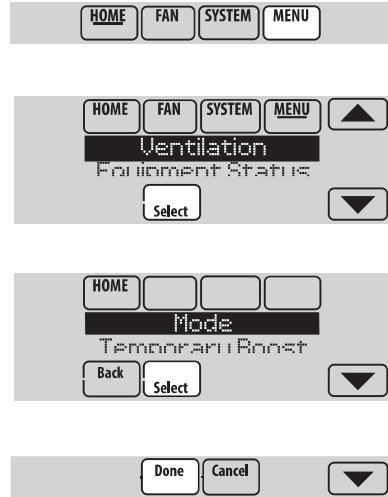
If your air conditioner is used to control humidity, the thermostat may use the following methods to maintain humidity:

- Cool from 1° to 5° F lower than your temperature setting.
- Run cooling for the minimum “on” time to reduce humidity.
- Run cooling and heating at the same time to reduce humidity without lowering the temperature.



## Adjusting ventilation settings

- 1 Touch **MENU**, and select **Ventilation**.
- 2 Select **Mode**, **Temporary Boost**, or **Lockout**, then select appropriate options. (For options, see below.)
- 3 Touch **Done** to save your settings. Touch **Cancel** to ignore changes.



## Ventilation options

### Mode:

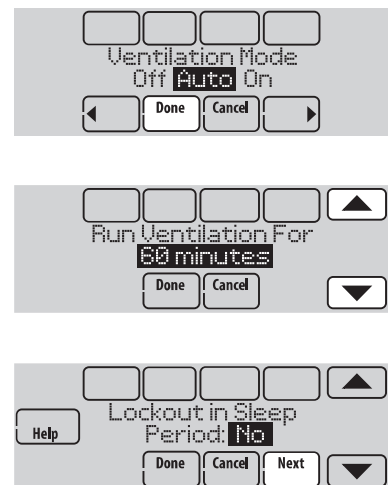
**Auto:** Ventilation runs as programmed by the installer.

**Off:** Ventilation remains off unless turned on using the timer.

**On:** Ventilation is always on.

**Temporary Boost:** Touch ▲ or ▼ to select how long to run ventilation temporarily. To turn it off, set it to zero.

**Lockout:** Touch ▲ or ▼ to select Yes or No, then touch **Next**. Select **Yes** to prevent ventilation from running during the Sleep or Unoccupied (commercial) program periods or when outdoor conditions exceed values set by the installer.





## 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 to change filters
  - Fahrenheit/Celsius display
  - 12/24-hour clock display
  - Screen backlighting
  - Alert light options
  - Scheduling options
  - Adaptive recovery
  - Default schedule
  - Daylight saving time
- 3 Touch **Done** to save your settings. Touch **Cancel** to ignore changes.



## 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 cloth, then use the damp cloth to clean the screen. Use water or household glass cleaner. Avoid abrasive cleansers.

