



Owner's Manual

Includes Operating Instructions and
Warranty Information

READ AND SAVE THESE INSTRUCTIONS

WARNING

Do not use sharp instruments to press touch screen. Only use your fingertips.

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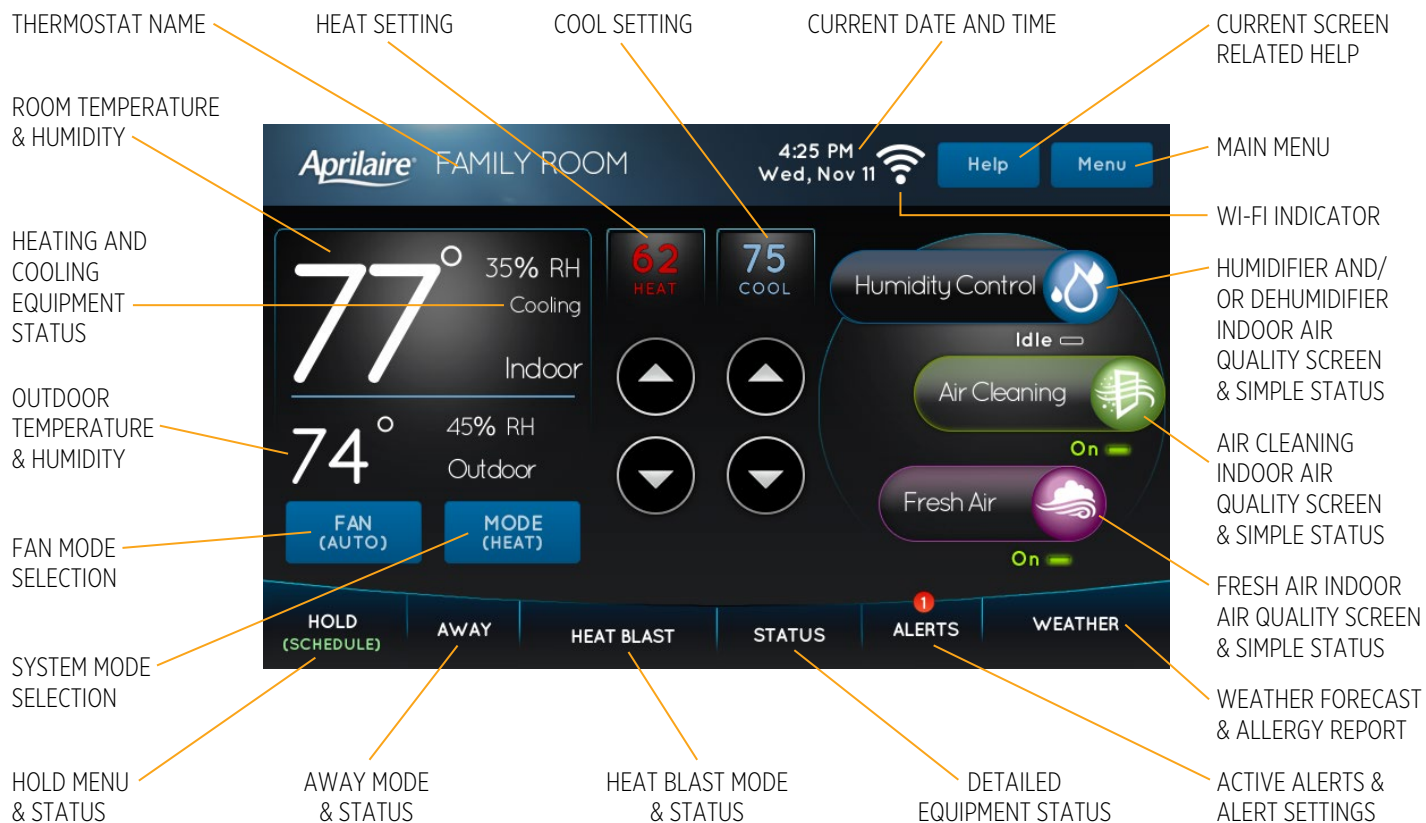
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FEATURES

- Temperature control.
- Remote access and control over Wi-Fi.
- Indoor air quality control.
 - Humidification automatic or manual control.
 - Dehumidification.
 - Event-Based™ air cleaning.
 - Ventilation with temperature and humidity limits.
- Heat Blast® raises the room temperature 3°F to 5°F.
- One touch Away.
- Large touch screen with adjustable backlight.
- 7 day programmability.
- Displays room temperature, room humidity, temperature setting, and optional outdoor temperature.
- Air filter, humidifier, dehumidifier, fresh air and HVAC service reminders.
- Support for optional wireless outdoor temperature sensor.
- Programmable fan control with fan circulation mode.
- Easy to use temperature control can override program schedule at any time.
- Progressive recovery ensures proper temperature at the start of a program event.

DISPLAY OVERVIEW

HOME SCREEN

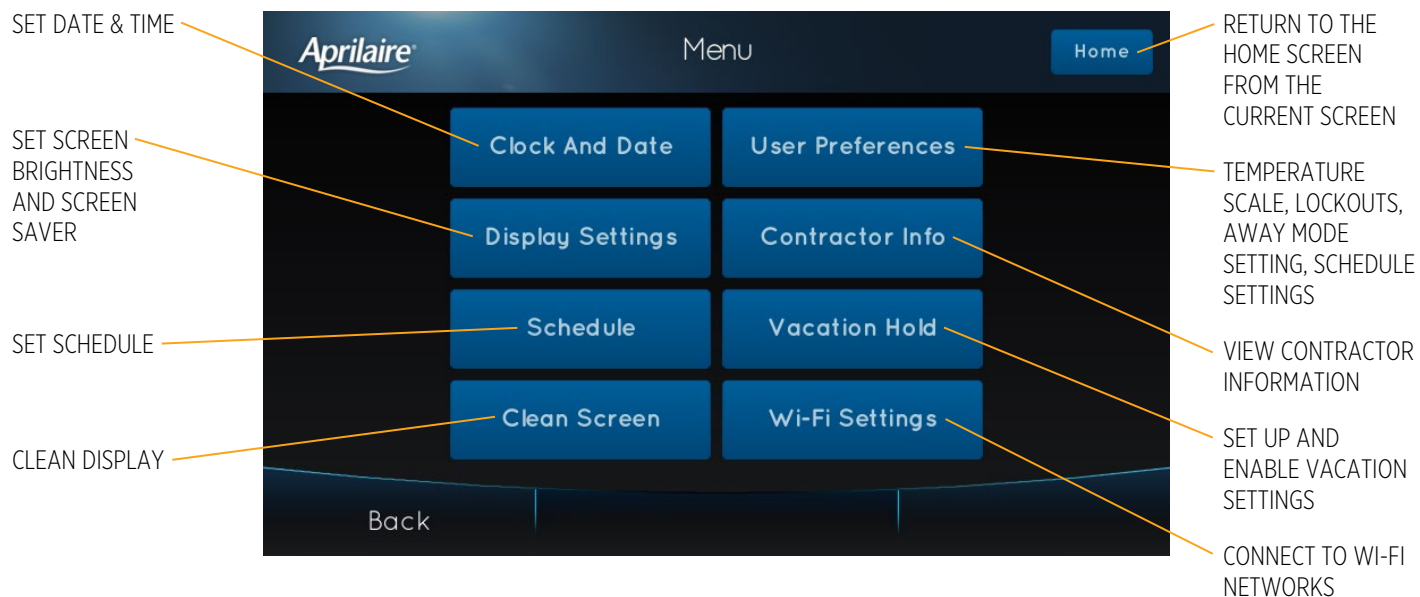


NOTE: SCREEN BRIGHTENS AFTER FIRST TOUCH.

Display may differ depending on equipment/options installed.

MAIN MENU

Touch **Menu** from the home screen to access the Menu screen. The Menu screen allows access to all the thermostat settings.



WI-FI SETUP – iOS

iOS STEP 1 – DOWNLOAD THE APP

Search and install the **Aprilaire Wi-Fi Thermostat App** from the App Store.



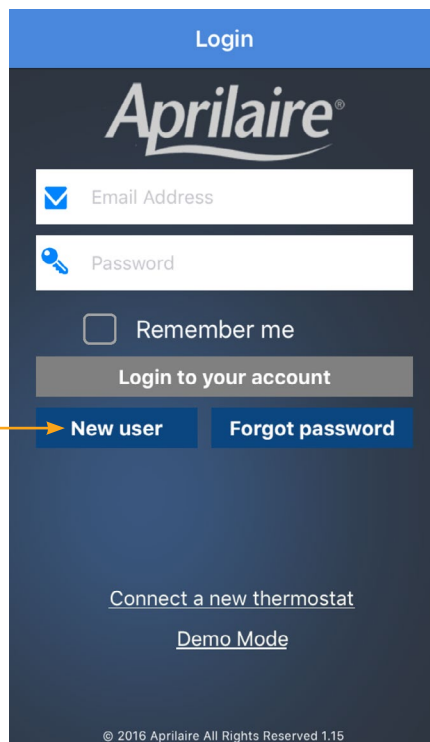
Aprilaire



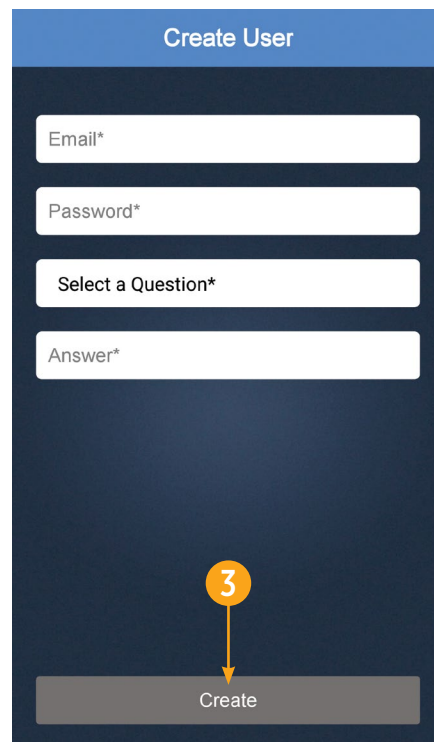
iOS STEP 2 – CREATE A NEW APRILAIRE ACCOUNT

1. Open the app on your device.
2. Tap **New User**.
3. Fill out the form and tap **Create**.
4. A confirmation email will be sent to you. Click the confirmation link in the email to complete the registration. If you do not receive the email, check your junk mail folder.

2



3



WI-FI SETUP – iOS

iOS STEP 3 – CONNECT YOUR WI-FI THERMOSTAT TO YOUR HOME NETWORK

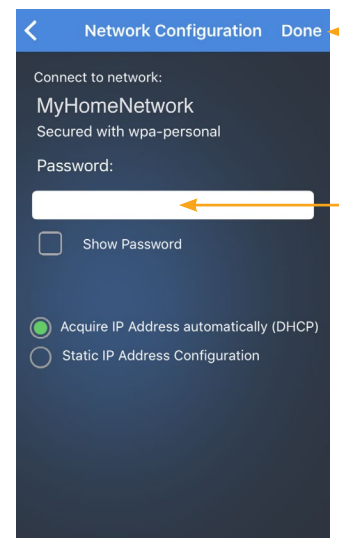
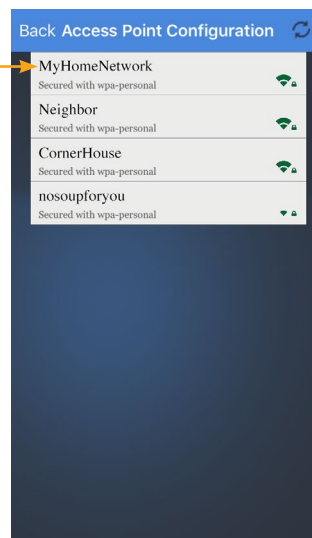
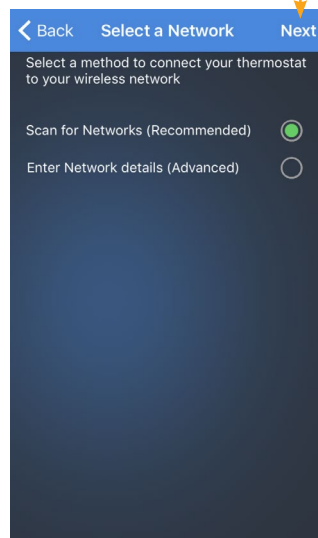
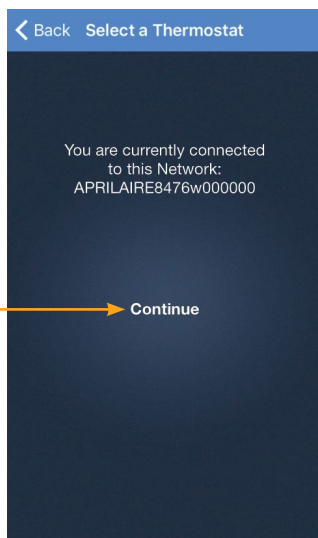
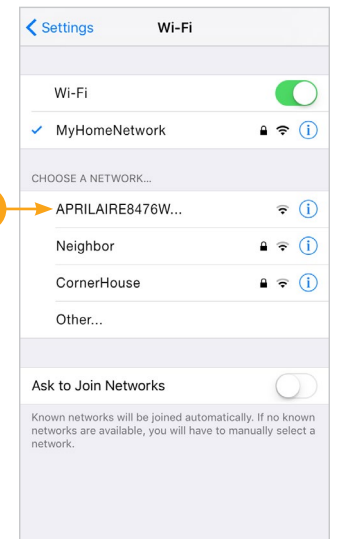
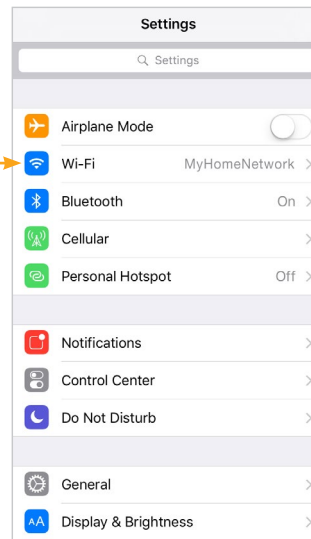
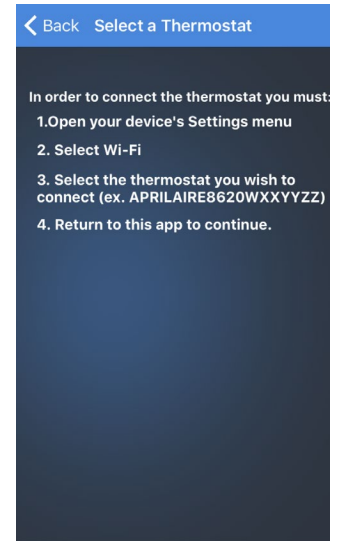
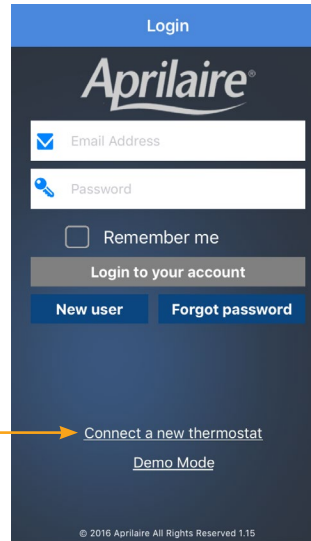
5. Confirm your thermostat is in Wi-Fi setup mode. The signal indicator will be strobing.
6. Open the app and select **Connect a new thermostat** from the Login screen. **IMPORTANT: DO NOT LOG IN.**
7. Open **Settings**.
8. Select **Wi-Fi**.
9. A Wi-Fi network including “APRILAIRE” in the title should appear in your list of network options. Tap that network (thermostat) to proceed. **Note:** This step may take up to one minute to complete.
10. Return to the Aprilaire app and tap **Continue**.

Select your home network.

11. Tap **Next** to scan for your home network.
12. Select your home network from the list.

Connecting to your home network.

13. We recommend that you select **Show Password**. Enter the password to your home Wi-Fi network.
14. Tap **Done**.



WI-FI SETUP – iOS

iOS STEP 4 – ADD THERMOSTAT TO USER ACCOUNT

15. Enter your Email Address and Password.
16. Tap **Login**. The MAC ID for the thermostat will be filled in the box. Do not change it.
17. Enter a name for your thermostat (i.e. Office, Den, Kitchen), thermostat location (i.e. House, Cabin, Cottage), Zip Code and Time Zone.
18. If you know your HVAC contractor's contact information, enter it and then tap **Done**.
19. **Congratulations!** You have successfully registered your thermostat. You can now access and control your thermostat from your mobile device.

Add Thermostat to User Account

Your thermostat has been successfully connected.
Now Login to connect it to your account.

☒ Email Address

Password

New User Login

Logout Add Thermostat Done

Thermostat Information

Thermostat Name*

B48255000000

--Select or Enter Location*--

--Select Time Zone*--

Contractor Information

Contractor Name

Contractor Email

Contractor Phone

Contractor Website

ADDITIONAL RESOURCES

Visit my.aprilaire.com
for additional app instructions.

Home Family Room ?

Temperature Cooling Humidity Idle Fresh Air On Clean Air On

Heat 67 Cool 86

Indoor 72° 38% RH

Outdoor 45° 3 Day

Fan : Circ Mode : Auto Away

WI-FI SETUP – Android

Android STEP 1 – DOWNLOAD THE APP

Search and install the **Aprilaire Wi-Fi Thermostat App** from Google Play.



Android STEP 2 – CREATE A NEW APRILAIRE ACCOUNT

1. Open the app on your device.
2. Tap **New User**.
3. Fill out the form and tap **Create**.
4. A confirmation email will be sent to you. Click the confirmation link in the email to complete the registration. If you do not receive the email, check your junk mail folder.

The Login screen of the Aprilaire app. It has a blue header with the word "Login". Below it is the Aprilaire logo. There are two input fields: "Email Address" and "Password". Below the password field is a checkbox labeled "Remember me" which is checked. There is a button labeled "Login to your account". Below that are two buttons: "New User" and "Forgot Password". An orange circle with the number "2" and an arrow points to the "New User" button. At the bottom, there are two links: "Connect a new thermostat" and "Demo Mode".The Create User screen of the Aprilaire app. It has a blue header with the words "Create User". There are four input fields: "Email*", "Password*", "Select a Question*", and "Answer*". At the bottom, there is a button labeled "Create". An orange circle with the number "3" and an arrow points to the "Create" button.

WI-FI SETUP – Android

Android STEP 3 – CONNECT YOUR WI-FI THERMOSTAT TO YOUR HOME NETWORK

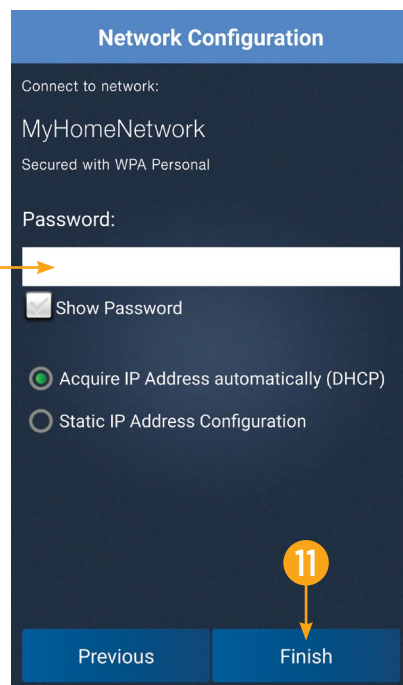
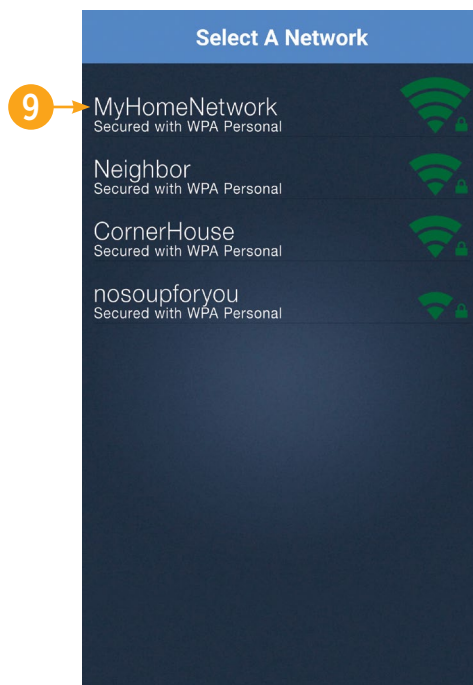
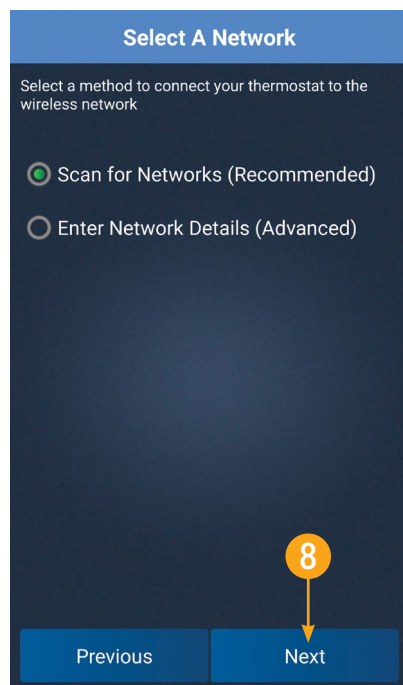
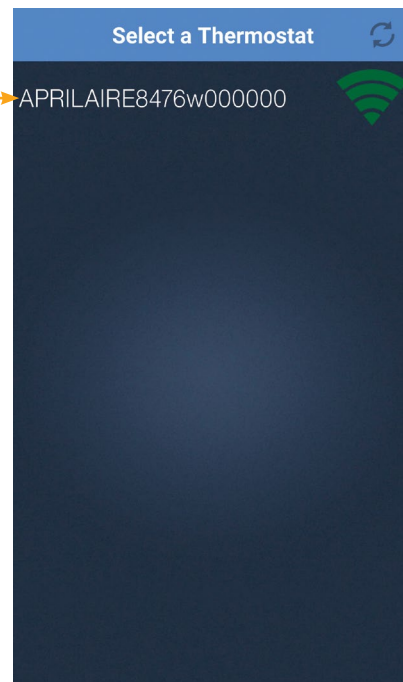
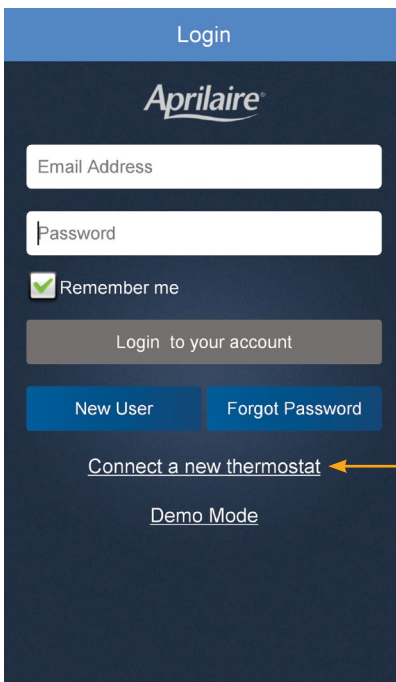
5. Confirm your thermostat is in Wi-Fi setup mode. The signal indicator will be strobing.
6. Open the app and select **Connect a new thermostat** from the Login screen.
IMPORTANT: DO NOT LOG IN.
7. A list with available thermostats will appear on the screen. Select the thermostat you wish to connect to your network.

Select your home network.

8. Tap **Next** to scan for your home network.
9. Select your home network from the list.

Connecting to your home network.

10. We recommend that you select **Show Password**. Enter the password to your home Wi-Fi network.
11. Tap **Finish**.



WI-FI SETUP – Android

Android STEP 4 – ADD THERMOSTAT TO USER ACCOUNT

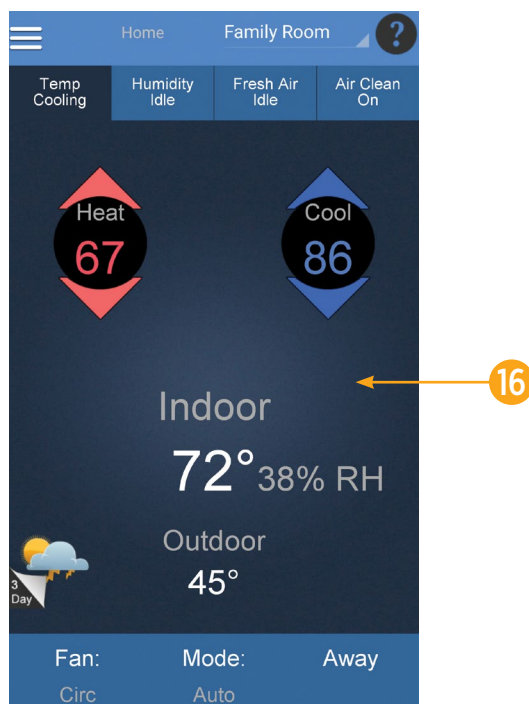
12. Enter your Email Address and Password.
13. Tap **Login**. The MAC ID for the thermostat will be filled in the box. Do not change it.
14. Enter a name for your thermostat (i.e. Office, Den, Kitchen), thermostat location (i.e. House, Cabin, Cottage), Zip Code and Time Zone.
15. If you know your HVAC contractor's contact information, enter it and then tap **Done**.
16. **Congratulations!** You have successfully registered your thermostat. You can now access and control your thermostat from your mobile device.

The left screenshot is titled 'Add Thermostat to User Account'. It displays a message: 'Your thermostat has been successfully connected. Now Login to connect it to your account'. Below this are two input fields: 'Email Address' and 'Password'. At the bottom are two buttons: 'Login' and 'New User'. Callout 12 points to the 'Email Address' field, callout 13 points to the 'Login' button, and callout 14 points to the 'thermostat name*' field on the right screenshot.

The right screenshot is titled 'Add Thermostat' and has a 'LOGOUT' link in the top right corner. It contains several input fields: 'thermostat name*', 'B48255000000' (MAC ID), 'Location Name*', 'Zip Code*', 'Select a Time zone', 'Contractor name', 'Contractor email', 'Contractor phone', and 'Contractor website'. At the bottom is a 'Done' button. Callout 14 points to the 'thermostat name*' field, callout 15 points to the 'Contractor name' field, and callout 16 points to the 'Indoor 72° 38% RH' display on the bottom screenshot.

ADDITIONAL RESOURCES

Visit my.aprilaire.com for additional app instructions.



THERMOSTAT OPERATION

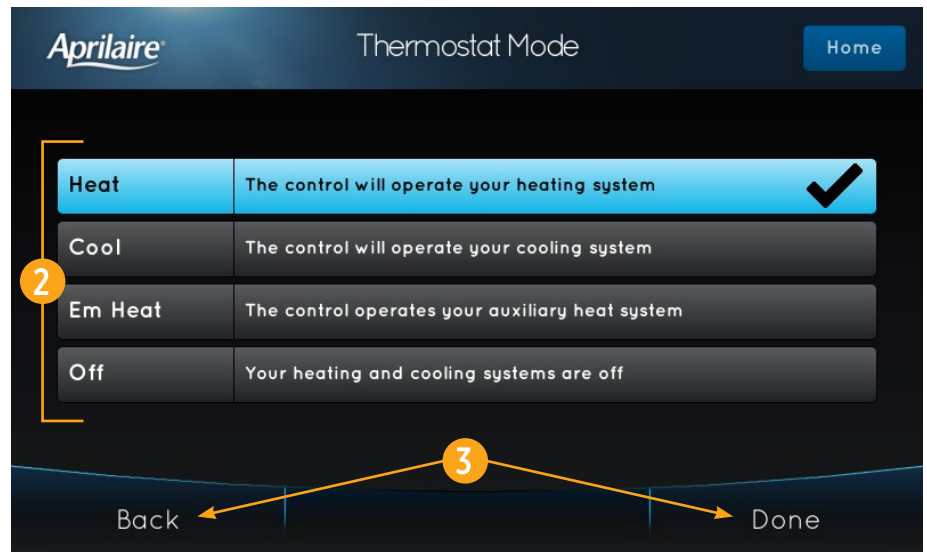
SELECT SYSTEM MODE

1. Touch **MODE** to open the Thermostat Mode screen.



2. Select the desired mode.
3. Touch **Done** to save any changes. Touch **Back** to discard your changes. The thermostat will automatically discard your changes if one minute elapses without touching **Done**.

Note: **Em Heat** (Emergency Heat) is only applicable to heat pump installations.



CHANGE TEMPERATURE SETPOINT

1. Touch the ▲ or ▼ arrows to adjust the temperature setpoint. The Set Temporary Hold pop-up will appear.
 2. Touch **Done** to save your changes.
- See page 19 for information on temporary and permanent holds.

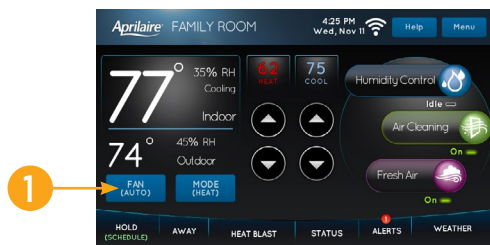


THERMOSTAT OPERATION

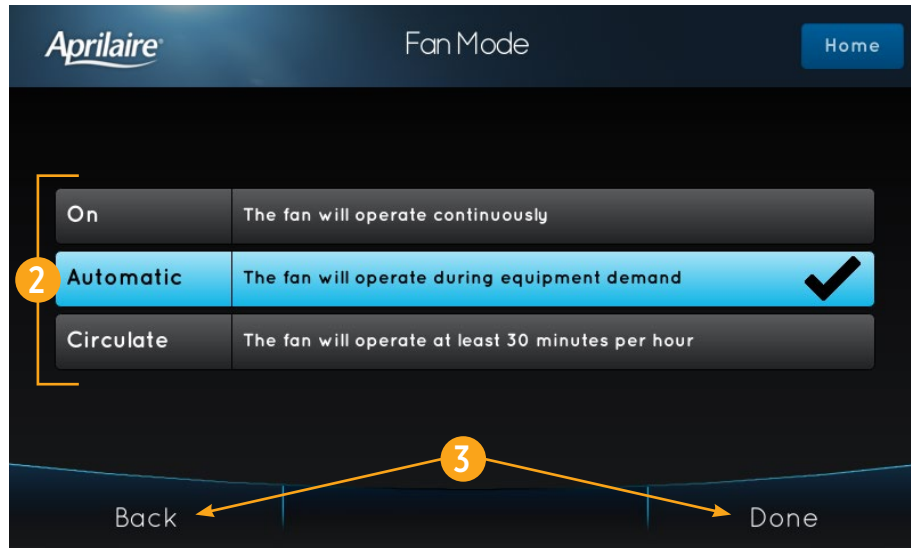
SELECT FAN SETTING

When the fan mode is changed during a scheduled event, it remains in that mode until the next event starts. To learn about scheduled events, see pages 15-18.

1. Touch **FAN** to open the Fan Mode screen.



2. Select the desired mode.
3. Touch **Done** to save any changes. Touch **Back** to discard your changes. The thermostat will automatically discard your changes if one minute elapses without touching **Done**.



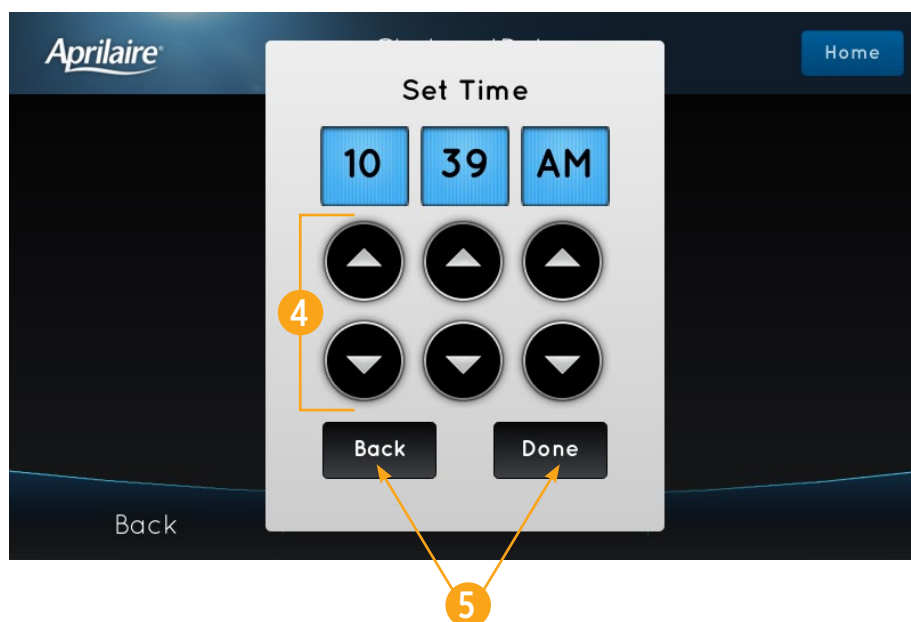
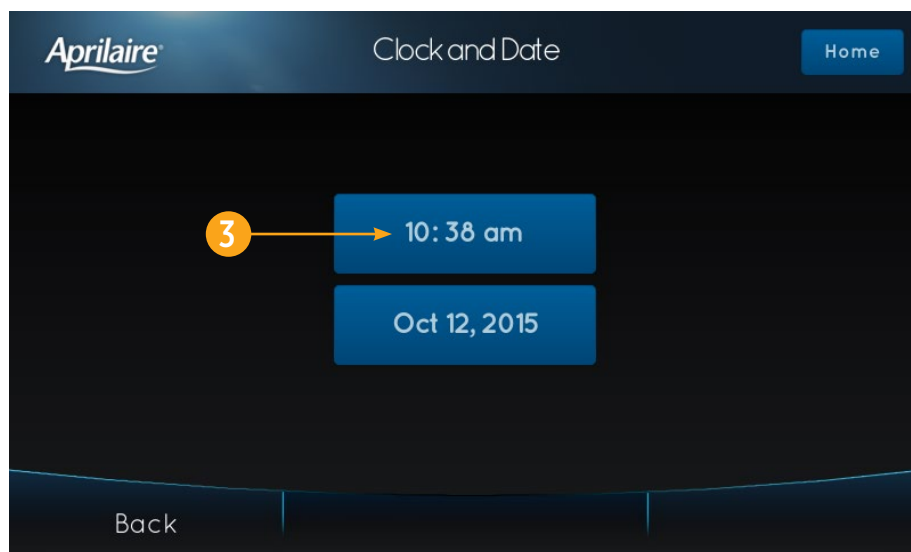
THERMOSTAT OPERATION

SET TIME AND DATE

The thermostat will automatically retrieve Time and Date from the internet (if connected). If the thermostat is used without an internet connection the time can be manually adjusted.

To set the time:

1. Touch **Menu** to open the Menu screen.
2. Touch **Clock And Date** to open the Clock and Date screen.
3. Touch the current time. The Set Time pop-up will appear.
4. Touch the ▲ or ▼ arrows to set the correct hour, minutes and AM/PM.
5. Touch **Done** to save any changes. Touch **Back** to discard your changes. The thermostat will automatically discard your changes if one minute elapses without touching **Done**.

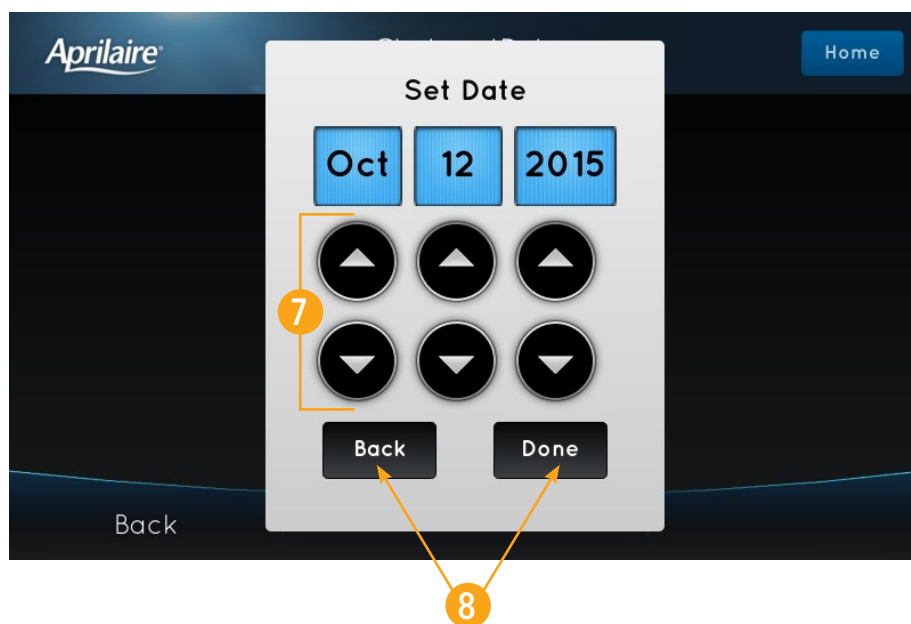
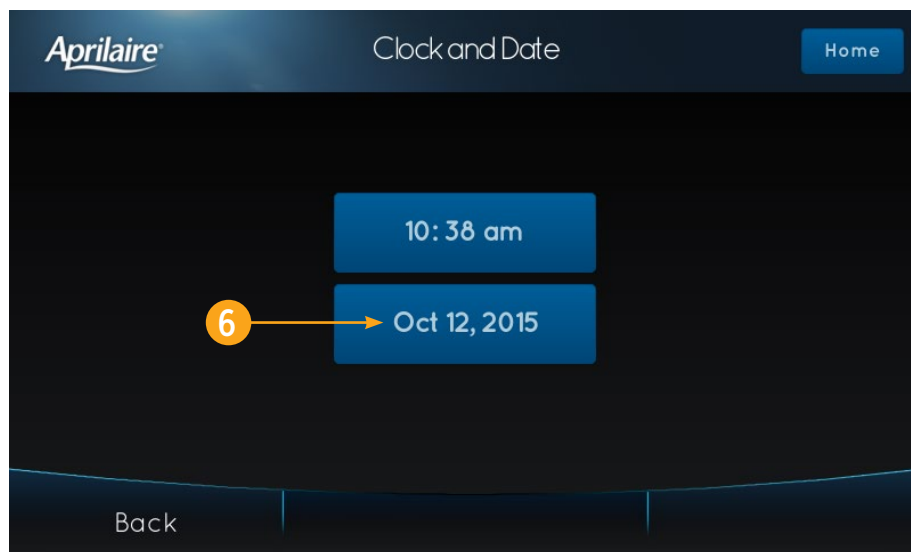


THERMOSTAT OPERATION

SET TIME AND DATE (continued)

To set the date:

6. Touch the current date. The Set Date pop-up will appear.
7. Touch the ▲ or ▼ arrows to set correct month, date and year.
8. Touch **Done** to save any changes. Touch **Back** to discard your changes. The thermostat will automatically discard your changes if one minute elapses without touching **Done**.

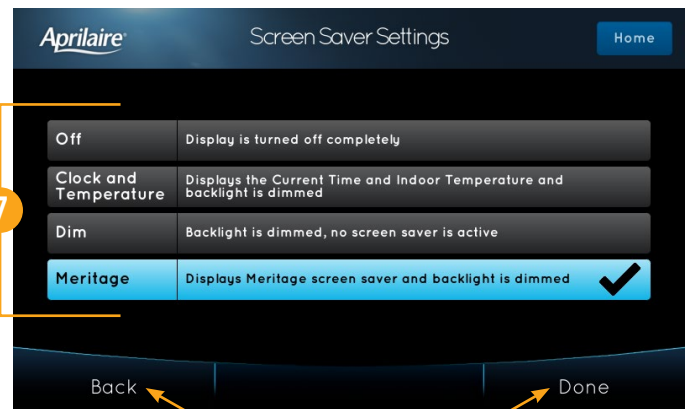
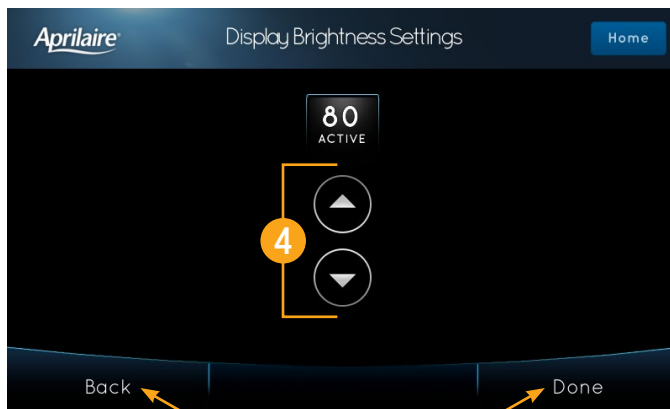
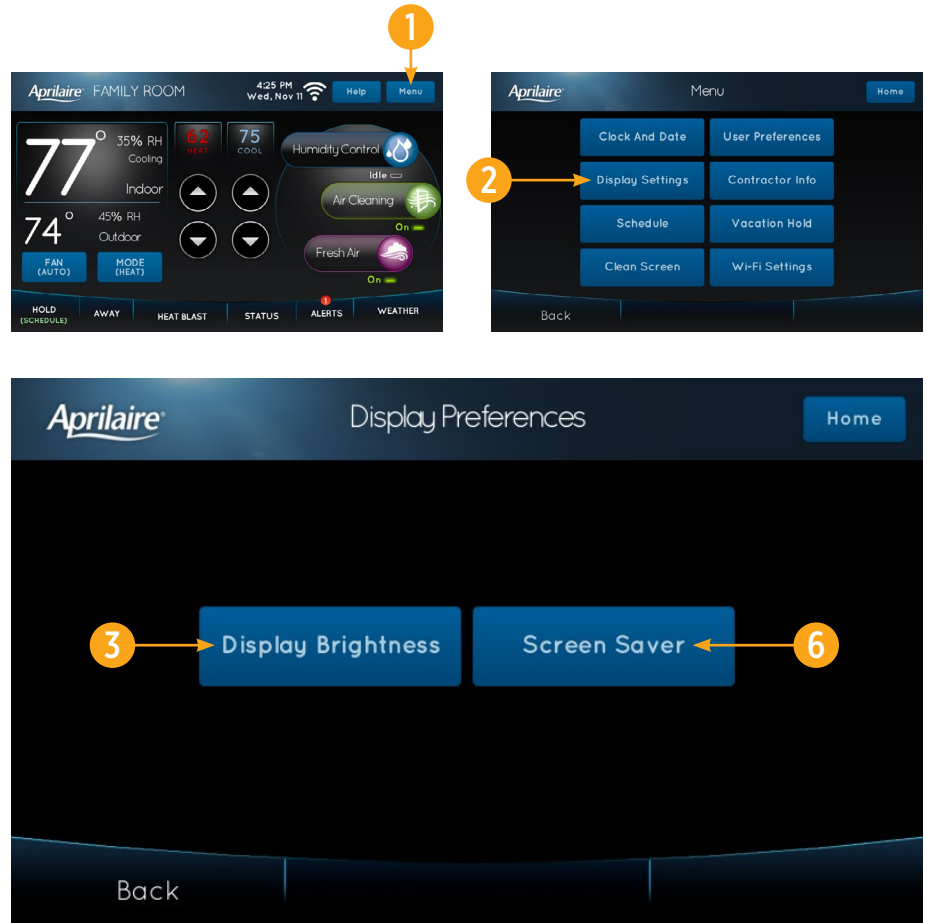


THERMOSTAT OPERATION

DISPLAY SETTINGS

The Display Settings are used to configure the intensity of the screen's backlight as well as the screen saver options.

1. Touch **Menu** to open the Menu screen.
2. Touch **Display Settings** to open the Display Preferences screen.
3. Touch **Display Brightness** to change the intensity of the screen's backlight.
4. Touch the ▲ or ▼ arrows to change the setting. The default setting is 80%, and the range is 50% to 100%.
5. Touch **Done** to save any changes. Touch **Back** to discard your changes.
6. Touch **Screen Saver** to open the Screen Saver Settings screen.
7. Select your preferred screen saver option.
8. Touch **Done** to save any changes. Touch **Back** to discard your changes.



SCHEDULE AND HOLDS

UNDERSTANDING SCHEDULES

The daily schedule is split into four events:

WAKE: Temperature when you wake up in the morning.

LEAVE: Temperature when you are away from the house.

RETURN: Temperature when you return home.

SLEEP: Temperature you would prefer while sleeping.

The times shown in the table below are the defaults. These are the recommended settings, since they can reduce your heating/cooling expenses. The fan mode is pre-set to **AUTO** for all events.

The start time, temperature and fan mode of each event can be changed to fit your specific schedule. (See **Changing Schedules** section on pages 16-18.)

EVENT DESIGNATOR	START TIME	SET TEMPERATURE		FAN
		HEAT	COOL	
WAKE	6:00 AM	70°F (21°C)	78°F (25.5°C)	AUTO
LEAVE	8:00 AM	62°F (16.5°C)	85°F (29.5°C)	AUTO
RETURN	5:00 PM	70°F (21°C)	78°F (25.5°C)	AUTO
SLEEP	10:00 PM	62°F (16.5°C)	82°F (27.5°C)	AUTO

SCHEDULE AND HOLDS

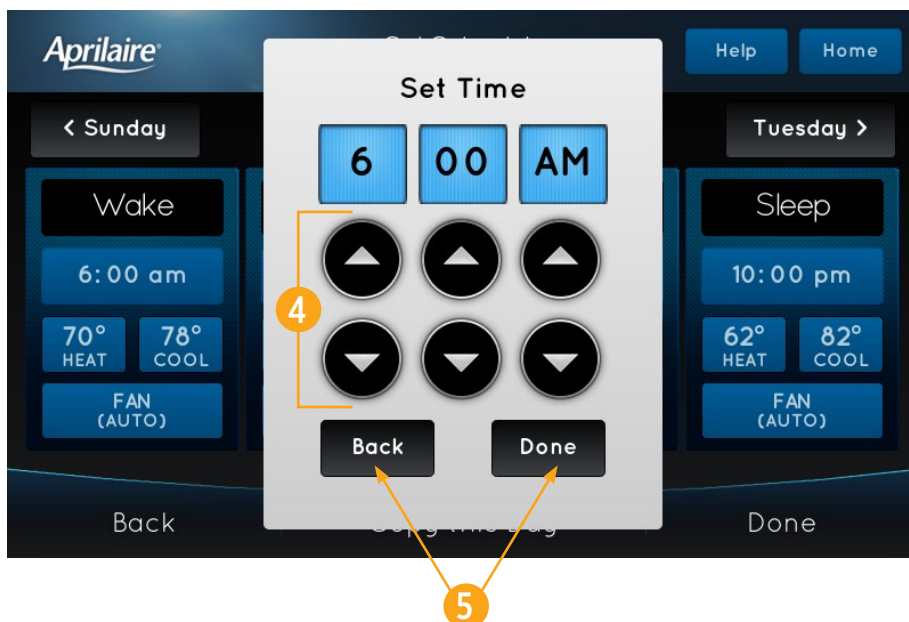
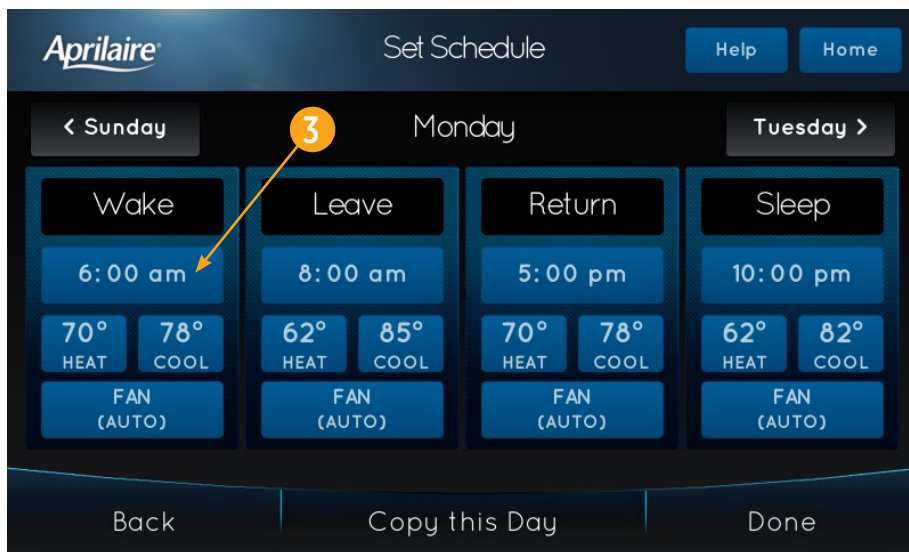
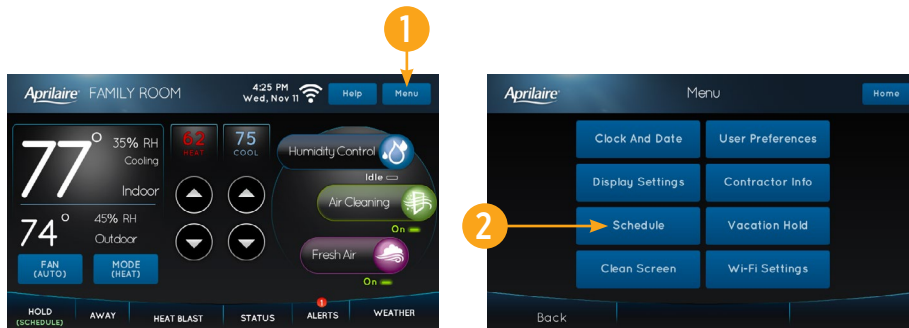
CHANGING SCHEDULES

1. Touch **Menu** to open the Menu screen.
2. Touch **Schedule** to open the Set Schedule screen.

The current day of the week will be displayed on the Set Schedule screen. From this screen you can change the start time, heat and cool setpoints, and fan mode for each event for this day of the week. See page 18 for instructions on how you can copy this day's schedule to other days.

To set the start time:

3. Touch the event start time. The Set Time pop-up will appear.
4. Touch the ▲ or ▼ arrows to set the desired event start time.
5. Touch **Done** to save any changes. Touch **Back** to discard your changes.

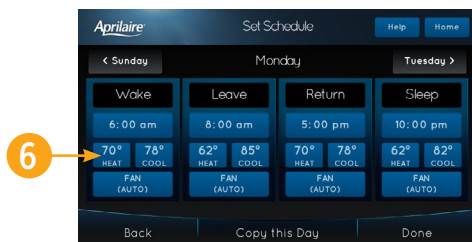


SCHEDULE AND HOLDS

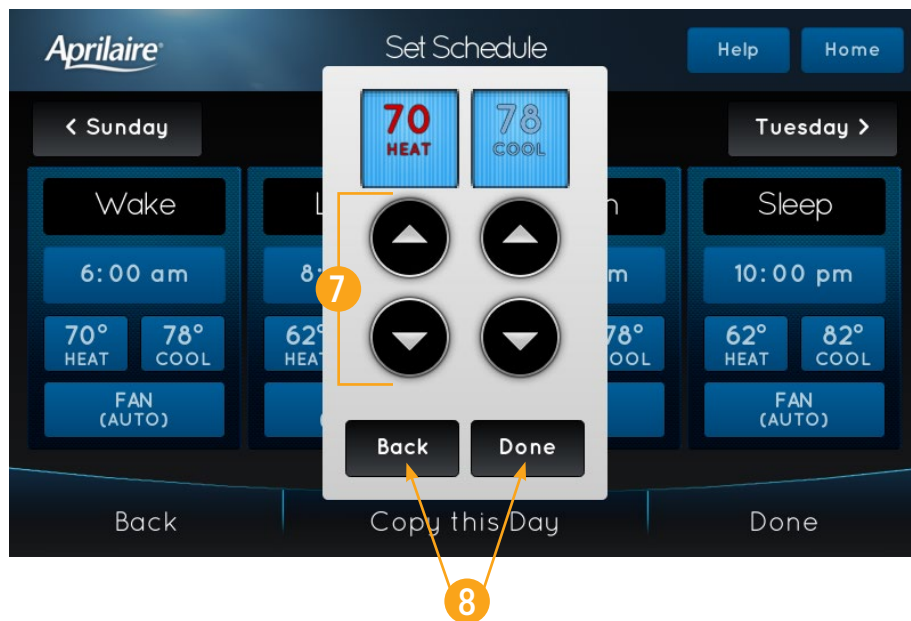
CHANGING SCHEDULES (continued)

To set the temperature:

6. Touch the event heat or cool setpoint. The Set Temperature pop-up will appear.

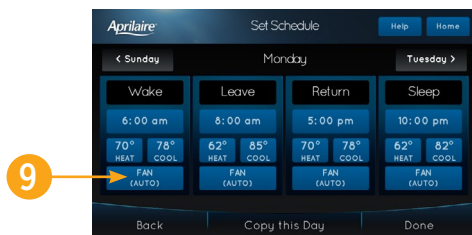


7. Touch the ▲ or ▼ arrows to set the desired event temperature.
8. Touch **Done** to save any changes. Touch **Back** to discard your changes.

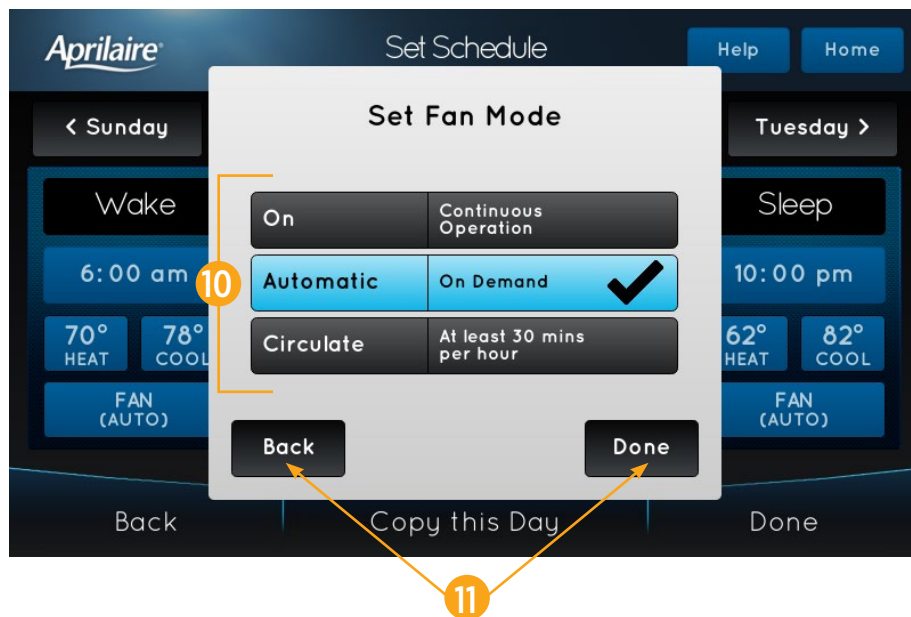


To set the fan mode:

9. Touch the event fan mode. The Set Fan Mode pop-up will appear.



10. Select the desired fan mode.
11. Touch **Done** to save any changes. Touch **Back** to discard your changes.

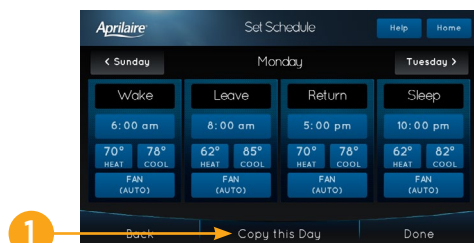


SCHEDULE AND HOLDS

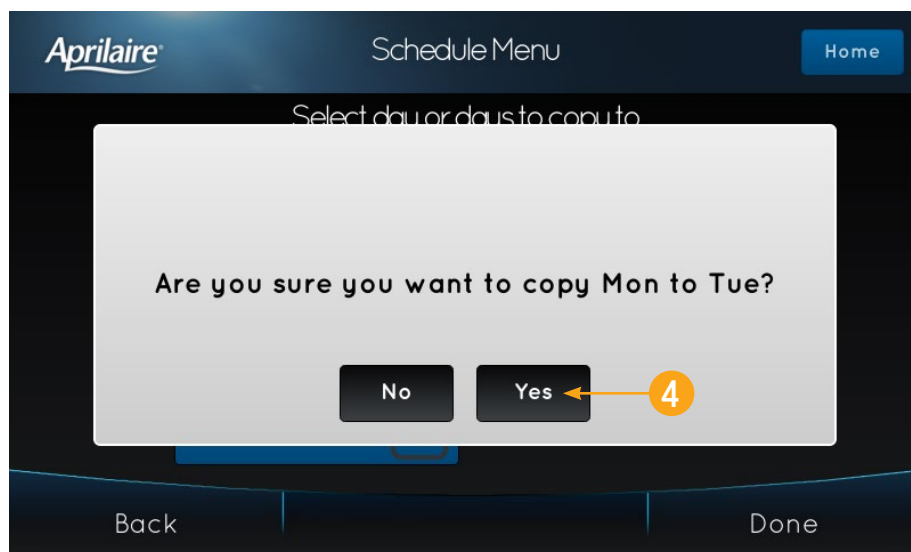
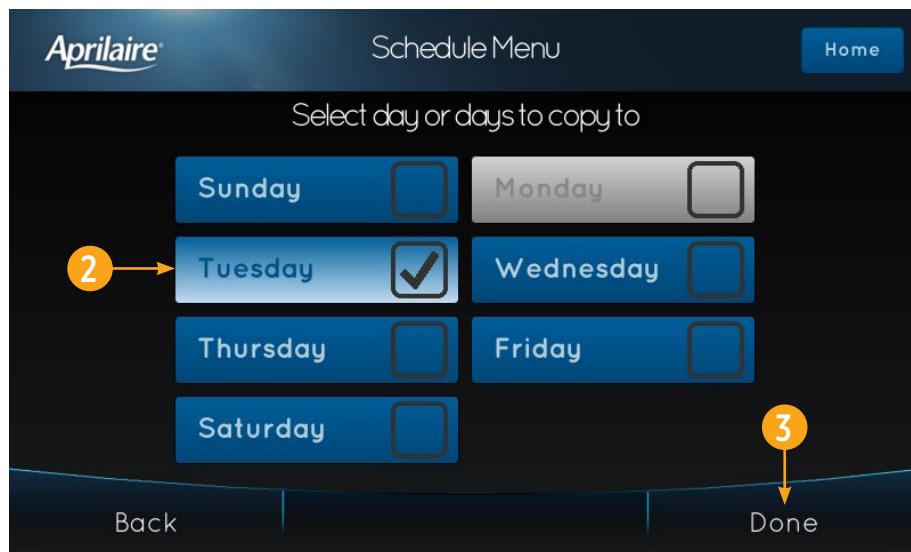
CHANGING SCHEDULES (continued)

To copy one day's schedule to other days:

1. Touch **Copy this Day** to open the Schedule Menu screen.



2. Select the day(s) you want to copy the schedule to.
3. Touch **Done** when finished. You will then be prompted to confirm your selections.
4. Touch **Yes** to copy the schedule to the desired days. Touch **No** to return to the Schedule Menu screen without performing the schedule copy.

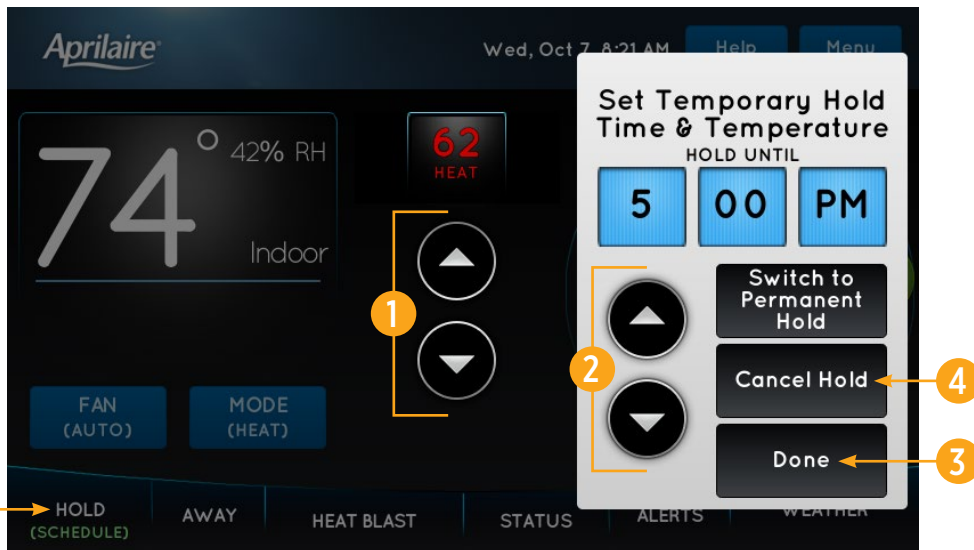


SCHEDULE AND HOLDS

SCHEDULE HOLDS

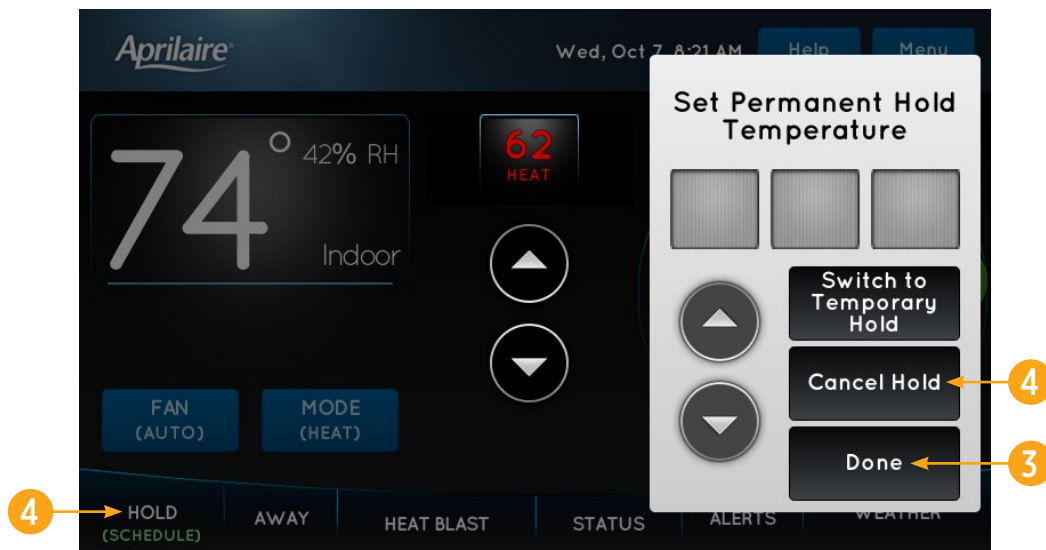
Temporary Hold

1. Touch the ▲ or ▼ arrows to set your desired temperature. The Set Temporary Hold pop-up will appear.
2. The temporary hold will run until the current schedule event ends. You can select a different time by touching the ▲ or ▼ arrows on the Set Temporary Hold pop-up.
3. Touch **Done** to close the Set Temporary Hold pop-up.
4. To cancel the hold, touch **HOLD** on the main screen then **Cancel Hold** on the Set Temporary Hold pop-up.



Permanent Hold

1. Touch the ▲ or ▼ arrows to set your desired temperature. The Set Temporary Hold pop-up will appear.
2. Touch **Switch to Permanent Hold**. The Set Temporary Hold pop-up will change to a Set Permanent Hold pop-up. The time and the ▲ and ▼ arrows will be grayed-out.
3. Touch **Done** to close the Set Hold pop-up.
4. To cancel the hold, touch **HOLD** on the main screen then **Cancel Hold** on the Set Permanent Hold pop-up.



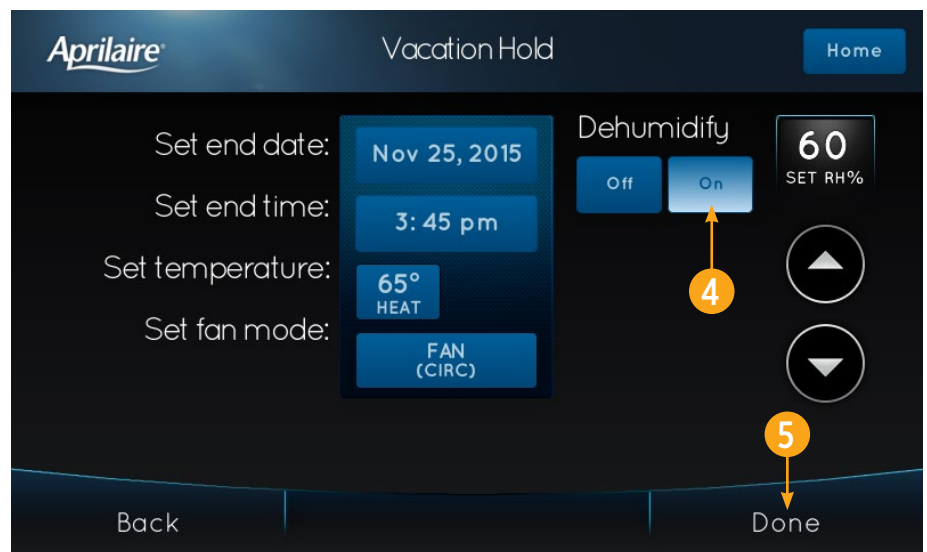
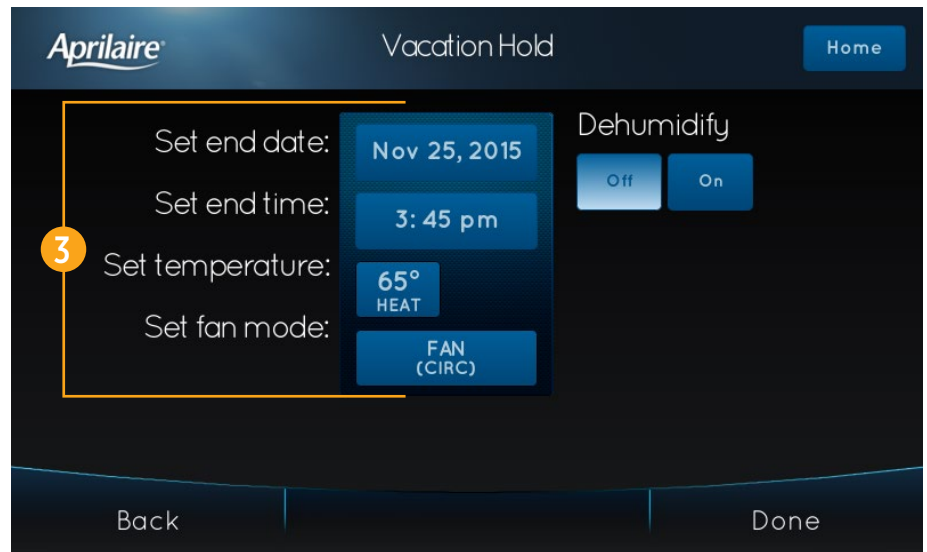
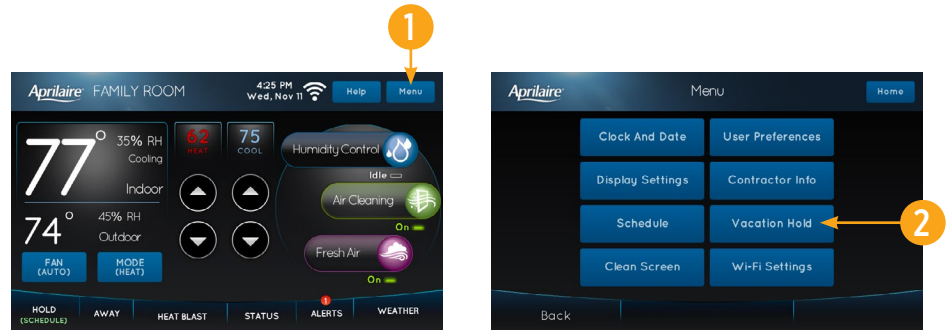
SCHEDULE AND HOLDS

SCHEDULE HOLDS (continued)

Vacation Hold

This energy saving feature allows you to suspend the programmed schedule for extended periods of time. The temperature and dehumidification setpoint (optional) you select will be maintained continuously until the vacation hold end date and time. Once the end date and time have been surpassed, the previously programmed schedule will resume. If you return earlier than expected, touch **Cancel Hold** to resume the programmed schedule.

1. Touch **Menu** to open the Menu screen.
2. Touch **Vacation Hold** to open the Vacation Hold screen.
3. Set the end date, end time, temperature, and fan mode for the vacation hold as desired.
4. If a dehumidifier is installed, touch **On** to adjust the dehumidification level.
5. Touch **Done** to save the vacation hold settings.



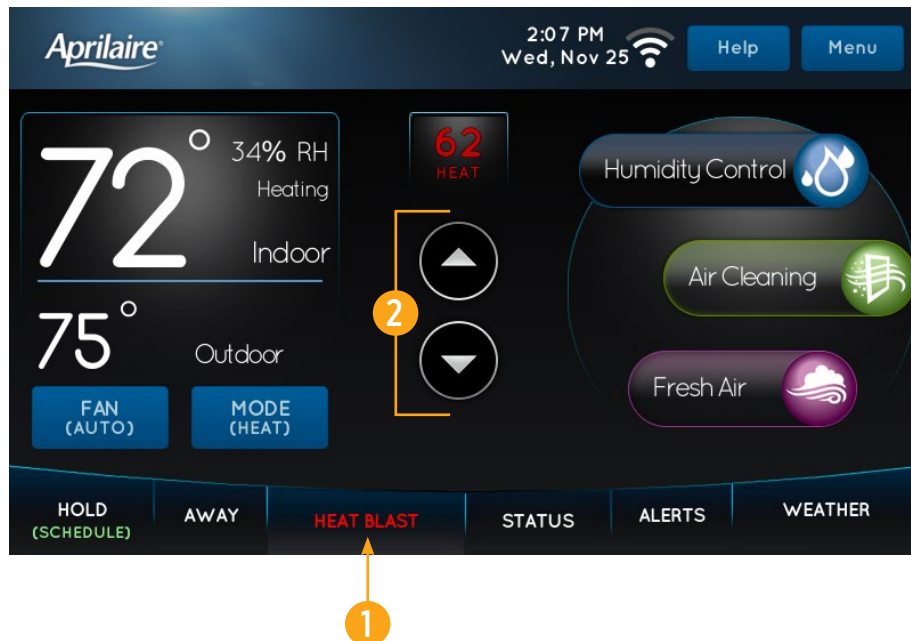
SCHEDULE AND HOLDS

SCHEDULE HOLDS (continued)

Heat Blast® (if installed)

Heat Blast will raise the current room temperature by 3°F to 5°F once, and then resume normal operation. This feature is only available if it was enabled by your installer and the thermostat is in Heat or Emergency Heat mode.

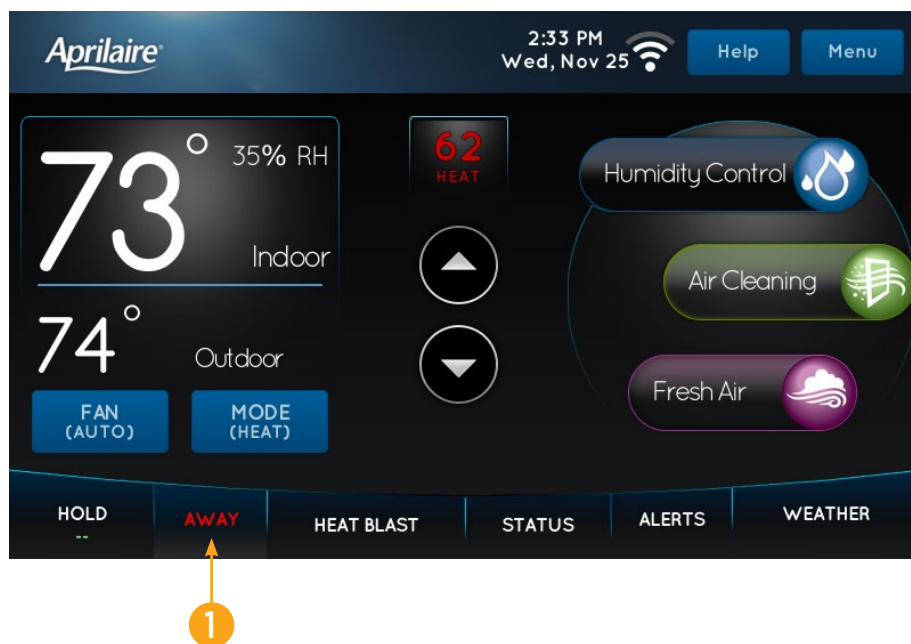
1. Touch **HEAT BLAST** to activate Heat Blast.
2. Touch **HEAT BLAST** again, or adjust the temperature with the ▲ or ▼ arrows to cancel Heat Blast.



Away (if installed)

The Away feature allows the thermostat to switch to predefined setpoints simply by touching **AWAY**. The default cooling setpoint is 85°F (29.5°C), the default heating setpoint is 62°F (16.5°C) and the default fan mode is Auto. The default settings can be modified in the User Preferences screen. See pages 33-35.

1. Touch **AWAY** to activate the Away mode. Touch **AWAY** again to deactivate the Away mode.



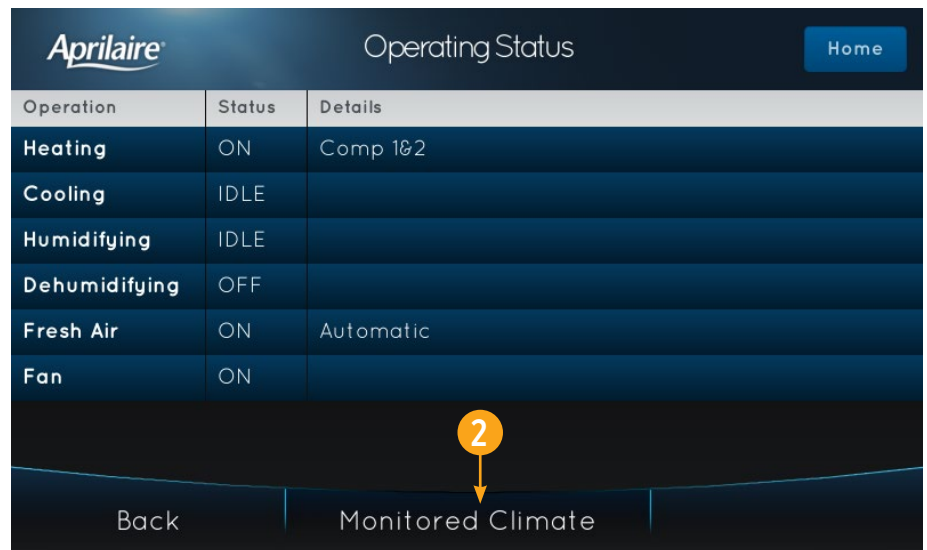
STATUS

The Operating Status screen shows you the current status of all equipment controlled by this thermostat. ON indicates that the equipment is currently active. OFF indicates that the equipment is not active and cannot become active without changing its corresponding mode. IDLE means that the equipment is not currently active but could become so if measured conditions change.

1. Touch **STATUS** to open the Operating Status screen.

If your thermostat has remote temperature or humidity sensors connected by a Support Module, they can be accessed through the Monitored Climate screen.

2. Touch **Monitored Climate** to open the Monitored Climate screen.

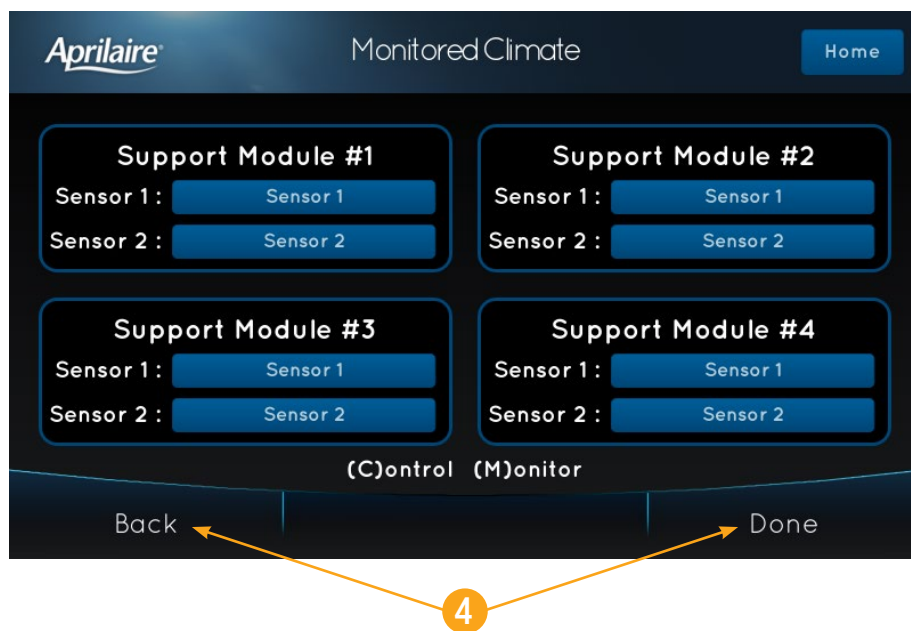
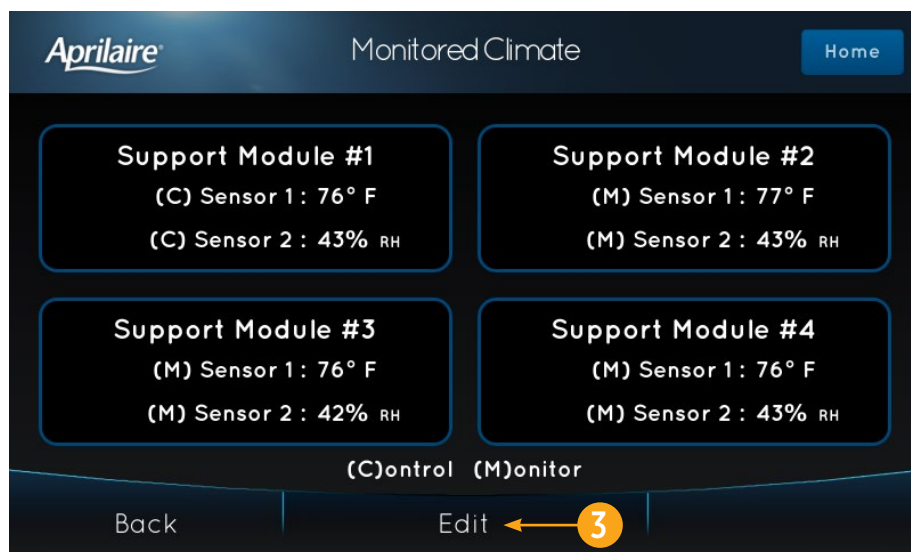


STATUS

A thermostat can have up to 4 Support Modules, each with its own set of configured sensors. Support Modules can have either 1 temperature sensor, 2 temperature sensors, or 1 temperature and 1 humidity sensor. A (C) indicates that a sensor value is a Controlling value. The thermostat is controlling the room temperature or humidity based on this value. An (M) indicates that a sensor value is a Monitored value and is displayed for information purposes only. The thermostat does not respond to changes in Monitored values.

Sensors can be renamed to help you identify the location of each.

3. Touch **Edit** to activate the sensor rename boxes. Touch the sensor box associated with the sensor you want to rename. Type the new sensor name and touch **Done** when finished. Touch **Cancel** to return to the Monitored Climate screen without saving any changes.
4. Touch **Done** to save the sensor names. Touch **Back** to discard any changes.



ALERTS

Alerts are used to communicate special information to you. Some of the alerts are controlled by your settings (i.e. High/Low Temperature, High/Low Relative Humidity [RH]), and others are system alerts that may require a specific action by you or your installer to resolve.

If any alerts are active, a red badge with the number of alerts will be displayed on the home screen.

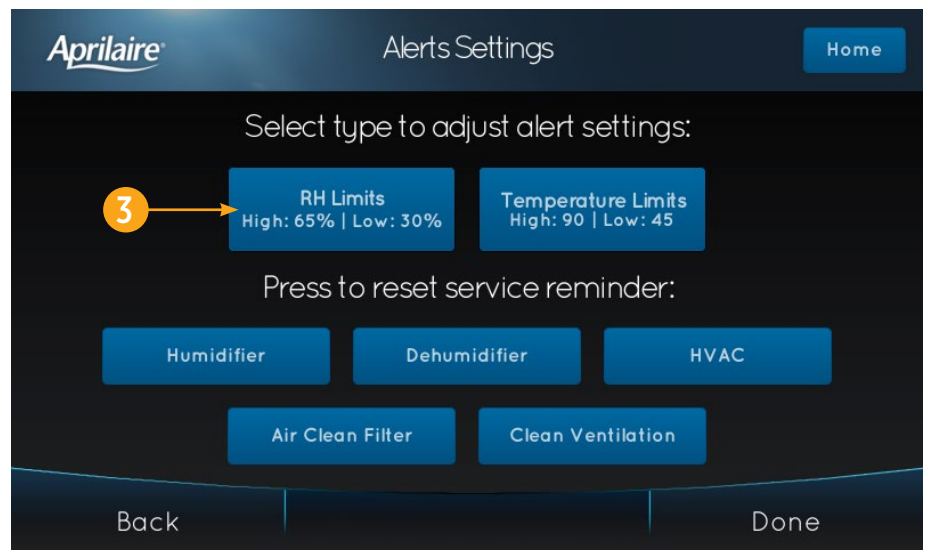
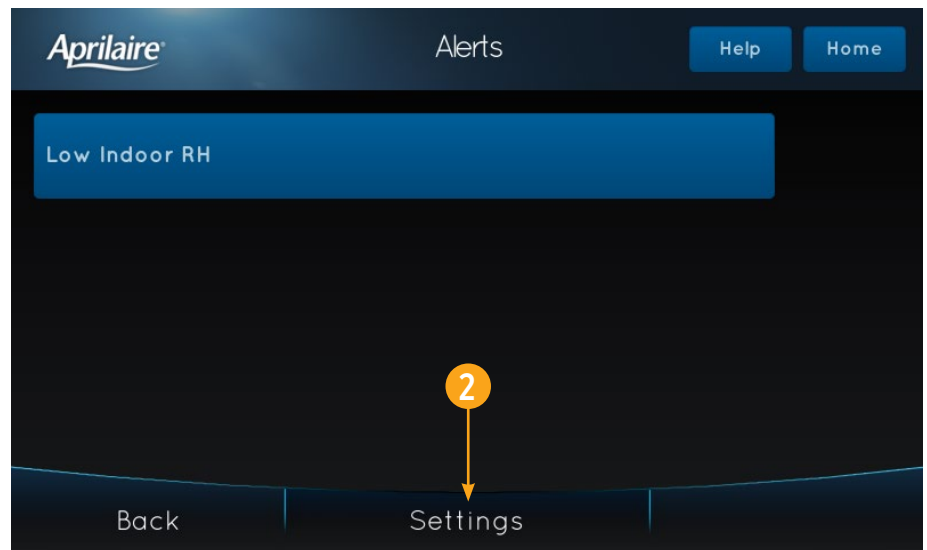
1. Touch **ALERTS** to view the active Alerts screen.

Any conditions that fall outside the parameters set for temperature and humidity will create an active alert and will appear here. The limits for these alerts can be configured in the Settings screen.

2. Touch **Settings** to open the Alerts Settings screen.

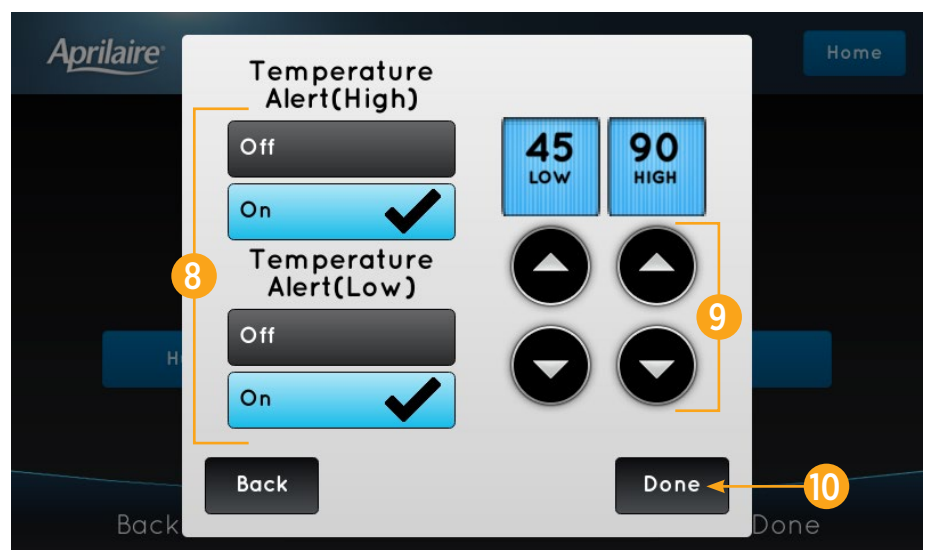
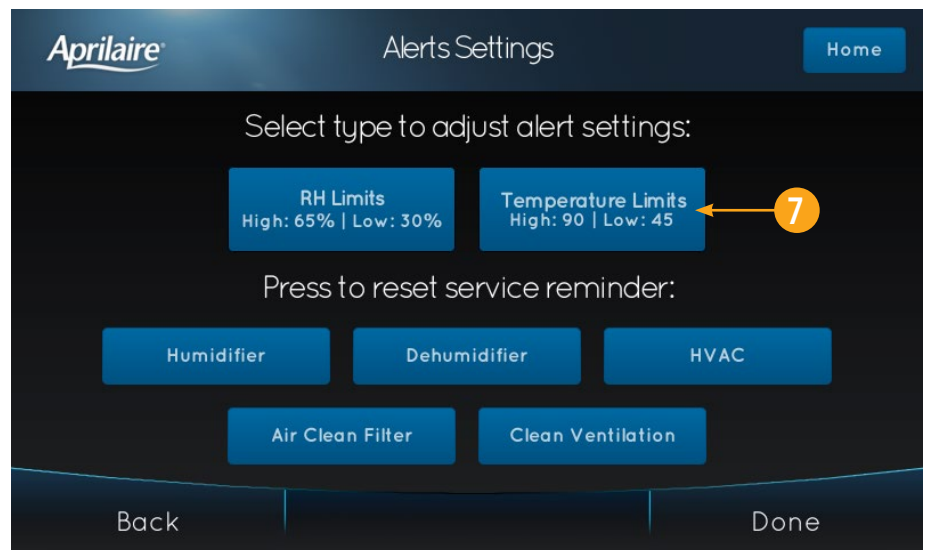
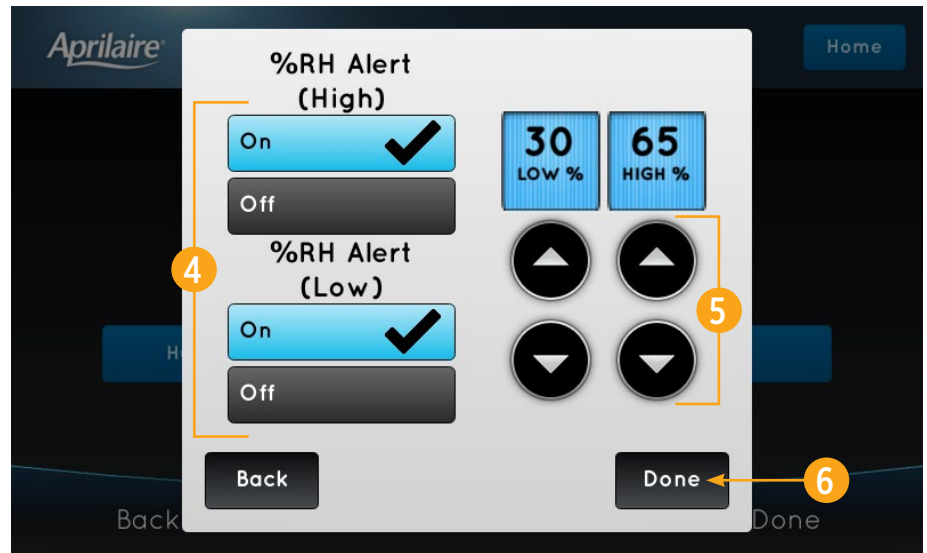
The current limits can be viewed or changed here.

3. Touch **RH Limits** to open the RH Alert pop-up.



ALERTS

4. Touch **Off** to disable the High RH or Low RH limit. Touch **On** to enable the High RH or Low RH limit.
5. Touch the ▲ or ▼ arrows to adjust the corresponding limit.
6. Touch **Done** to save your changes. Touch **Back** to close the pop-up without saving any changes.
7. Touch **Temperature Limits** to open the Temperature Alert pop-up.
8. Touch **Off** to disable the High Temperature or Low Temperature limit. Touch **On** to enable the High Temperature or Low Temperature limit.
9. Touch the ▲ or ▼ arrows to adjust the corresponding limit.
10. Touch **Done** to save your changes. Touch **Back** to close the pop-up without saving any changes.



ALERTS

MAINTENANCE REMINDERS

Maintenance reminders appear when it is time to service your equipment, based on the limits set by your installer.

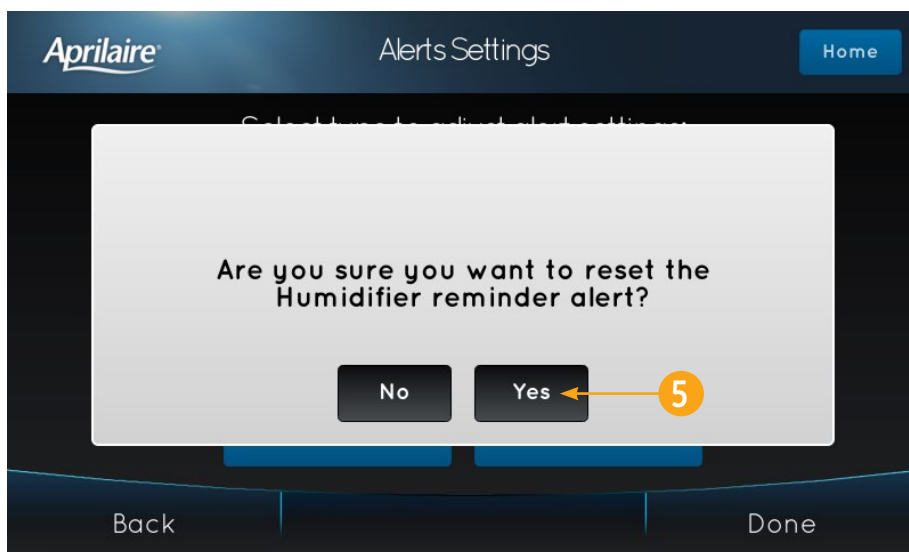
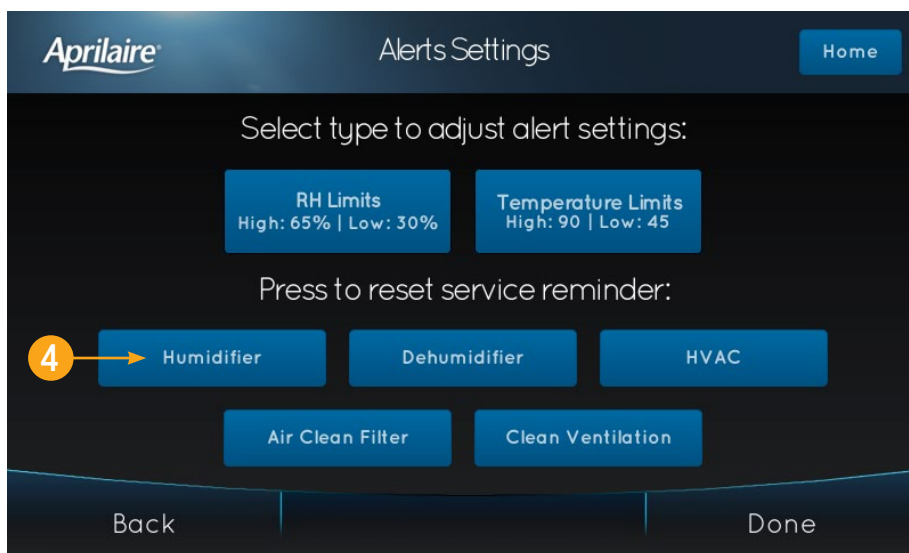
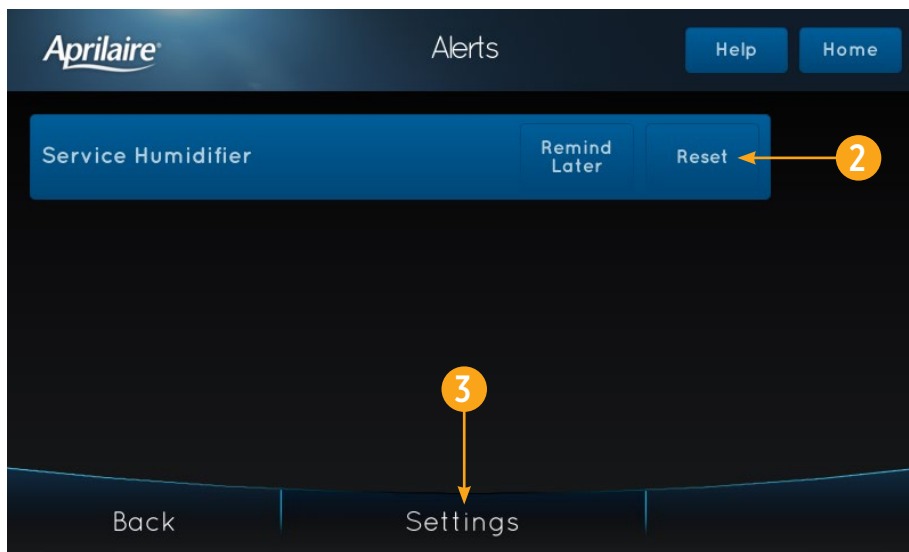
In some cases, you may need to service your installed equipment before the maintenance reminder has appeared on the thermostat. Any maintenance reminders that have been configured by your installer but have not expired can be viewed in the Settings screen.

1. Touch **ALERTS** to open the Alerts screen.



2. Maintenance reminders have two options: **Remind Later** will hide the reminder for two weeks and then redisplay the alert. **Reset** will restart the reminder interval, and should be used after the equipment has been serviced.
3. Touch **Settings** to open the Alerts Settings screen.
4. Touch the installed equipment corresponding to the maintenance reminder you want to reset. A confirmation dialog box will appear.
5. Touch **Yes** to confirm your choice. Touch **No** to return to the Alerts Settings screen without resetting the maintenance reminder timer.

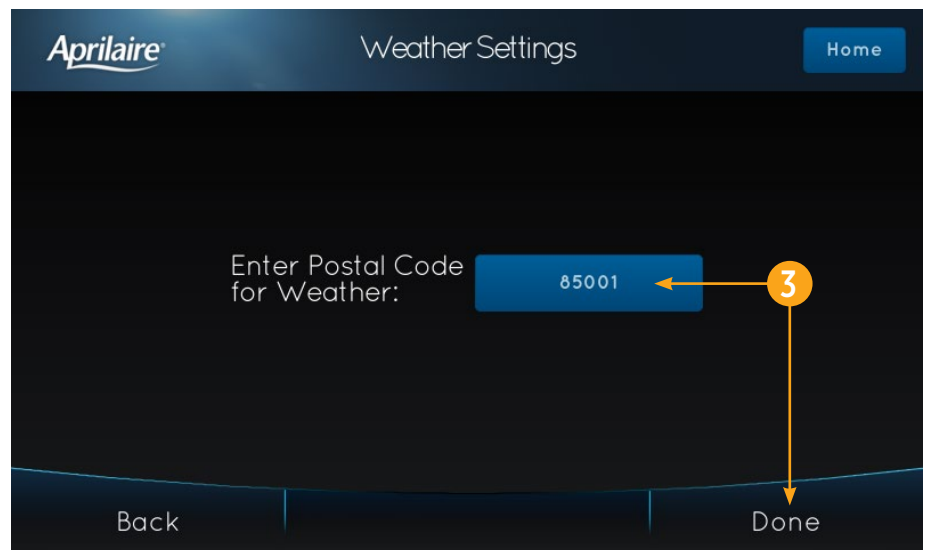
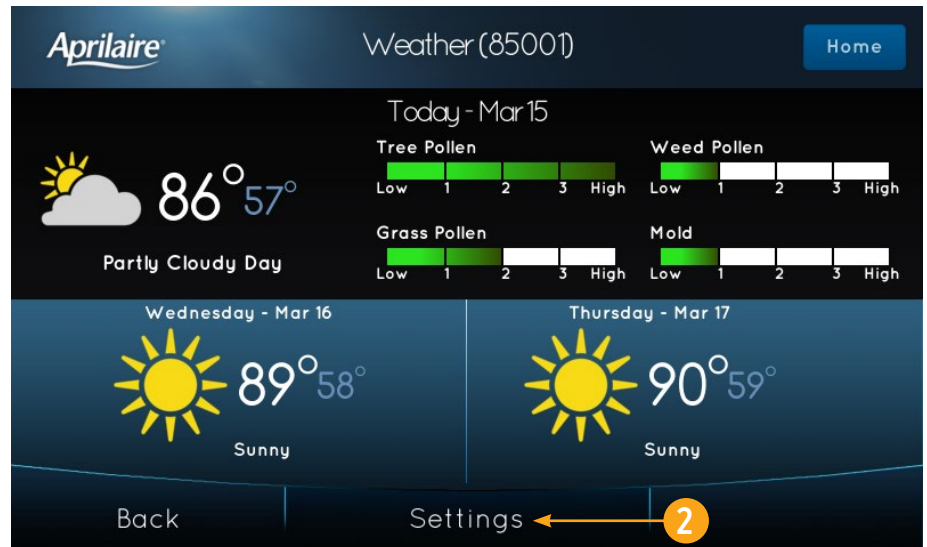
Contact your local dealer for service.



WEATHER

The Weather screen displays the current weather, two-day forecast and current pollen information, if available. The information displayed is based on your postal code.

1. Touch **WEATHER** to open the Weather screen.
2. Touch **Settings** to open the Weather Settings screen.
3. Touch the postal code box, enter your local postal code and touch **Done** when finished.



INDOOR AIR QUALITY FUNCTIONS

HUMIDITY CONTROL

This thermostat can control the relative humidity (RH) in your home when you have an additional humidifier and/or dehumidifier installed. Dehumidification can be achieved one of two ways, either with a whole-home dehumidifier or with your air conditioning equipment. See page 29 for details. If a humidifier is installed, it can be controlled in one of two modes, Automatic or Manual. These settings are configured by your installer.

Automatic Mode

In automatic mode, you will receive an optimal amount of humidity so that your home and its furnishings are protected from the damaging effects of excessively high or low humidity during the heating season. The thermostat automatically adjusts your home's RH based on the outdoor temperature. This temperature is measured by a sensor attached outside your home.

The humidity setting needs to be set initially to meet your home's conditions. Please follow these steps when adjusting your control.

1. Touch **Humidity Control** to open the Humidity Control Select screen.
2. Touch **Humidifier** to open the Humidifier Control screen.
3. The normal humidity range is 3-5. Use setting **3** initially.

During the next 24-48 hours, it may be necessary to adjust the setting for more or less humidity, depending on your personal comfort and home's requirements.

During the coldest portion of your first heating season, minor adjustments may be necessary to prevent window condensation. This will depend on your home's construction.

The relative humidity in your home will then be accurately controlled to meet your needs and should not need further adjustment during future heating seasons.



INDOOR AIR QUALITY FUNCTIONS

HUMIDITY CONTROL (continued)

Manual Mode

In manual mode, it is important to anticipate a drop in outdoor temperature and to reduce the setting accordingly to avoid excessive condensation. Use the table on the right side of the Humidifier Control screen to determine the proper RH setting.

4. Touch the ▲ or ▼ arrows to adjust the RH accordingly, and then touch **Done** when finished.

Dehumidification

The thermostat will allow you to set the desired RH level in your home and can be used to turn dehumidification on or off.

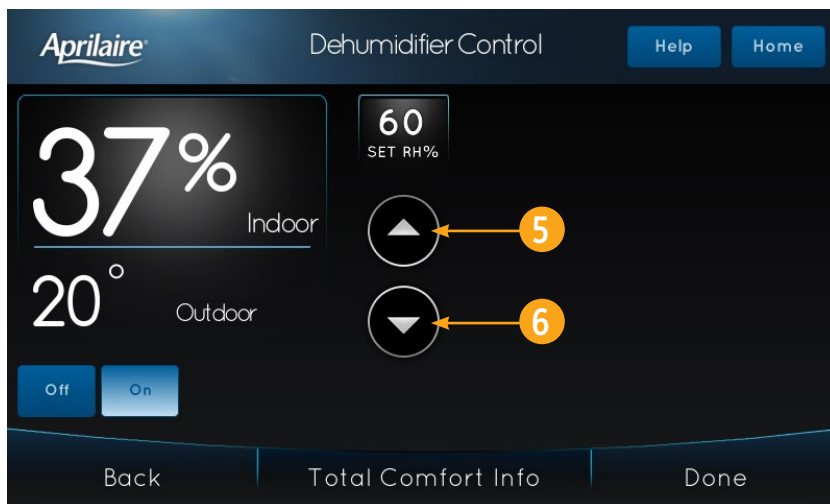
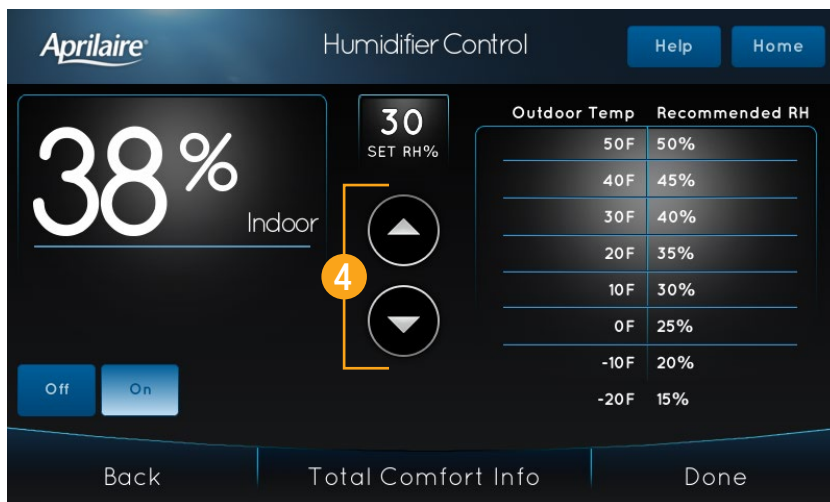
5. Touch the ▲ arrow to increase the amount of humidity the dehumidifier will allow. The air will be less dry and the dehumidifier will run less.
6. Touch the ▼ arrow to decrease the amount of humidity the dehumidifier will allow. The air will be less humid and the dehumidifier may run more.

If dehumidification is done with the air conditioner, the thermostat will cool up to 3°F beyond the cooling setpoint for dehumidification.

Note: Overcooling may not be sufficient to meet the dehumidification setpoint.

Use the dehumidification adjustment to set the dehumidification setpoint to 60% when first installed. Allow dehumidification to run until the initial setpoint is reached, before deciding if you want to change the humidity setting.

Your comfort is the best measure of how to adjust your setting. When first installed, your dehumidifier has to remove all the moisture that is initially in your home. The home acts like a sponge so the moisture in the materials of your home is at the same level as the air. After drying the air, the materials of the home will release the moisture back into the air until they are again at the same level. As a result, it is not uncommon for dehumidification to operate for an extended period of time when it is first installed.



Energy Saving Tip #1: Adjust the setting to be as high as is comfortable to reduce dehumidification run time – if it feels clammy or smells damp or moldy, lower the setting. Set the Dehumidifier Control to **Off** when you open your windows.

Energy Saving Tip #2: If your home will be unoccupied for an extended period during the summer, set the Dehumidifier Control setpoint to 60% RH and your cooling setpoint as high as you feel comfortable. Consult appropriate professionals regarding the highest temperature that is safe for your pets or possessions. This will keep the humidity at a controlled level to help prevent mold while minimizing the amount of the cooling energy used. Vacation hold is a convenient way to adjust the dehumidification and cooling setpoint while you are away.

INDOOR AIR QUALITY FUNCTIONS

EVENT BASED™ AIR CLEANING

If an air cleaner is installed, the thermostat will activate the fan for the purpose of air cleaning.

1. Touch **Air Cleaning** on the home screen to open the Air Cleaner Control screen.

TEMPORARY EVENTS

Event Clean (3 Hour): When you need the fan to run non-stop for a short while, such as while vacuuming, choose this option. When selected, the air cleaner will run continuously for 3 hours and then return to the previous Permanent Mode.

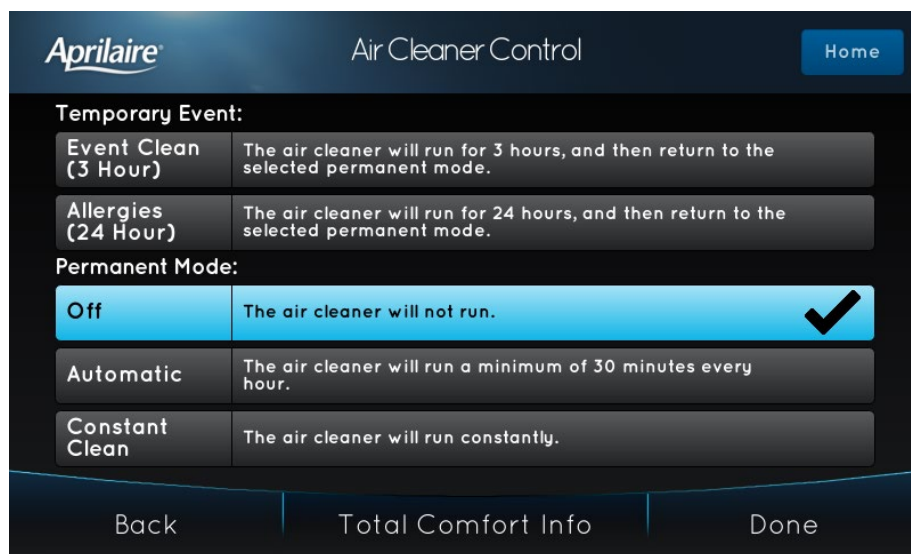
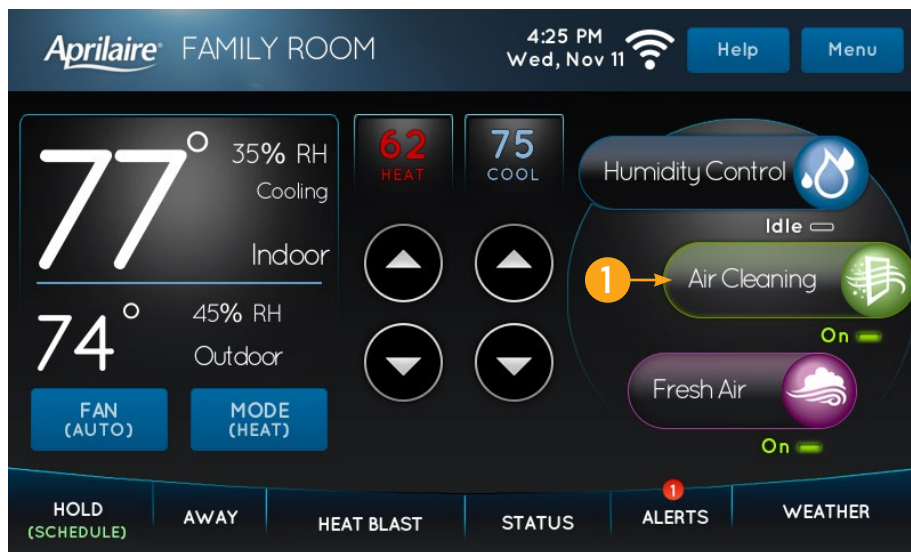
Allergies (24 Hour): When seasonal allergies spike and outside air quality is at its worst, choose this option. When selected, the air cleaner will run continuously for 24 hours and then return to the previous Permanent Mode.

PERMANENT MODES

Off: The thermostat will not call for the fan to run for the purpose of air cleaning. Air Cleaning will still occur during normal fan operation, during heating, cooling or other indoor air quality events.

Automatic: The air cleaner will run a minimum of 30 minutes every hour. The air cleaner will monitor the amount of time your heating and cooling system runs. If 30 minutes is not reached, the air cleaner will automatically turn on. This will provide the most-efficient balance between air cleaning and energy use.

Constant Clean: This option will provide the maximum amount of air cleaning available. The air cleaner will be active for 24 hours a day, 7 days a week.



INDOOR AIR QUALITY FUNCTIONS

FRESH AIR

If ventilation is installed, fresh air is periodically drawn into your home through your heating and cooling system. The schedule is based on installer-calculated requirements. The thermostat will limit fresh air when the outdoor temperature is too hot or cold or the indoor air is too humid. This unused time will be banked and made up later when outdoor conditions improve.

1. Touch **Fresh Air** to open the Fresh Air Control screen.

TEMPORARY EVENTS

3 Hour Event: When you need additional fresh air brought into the home for a short while, such as after cooking, choose this option. Ventilation will run continuously for 3 hours and then return to the previous Permanent Mode.

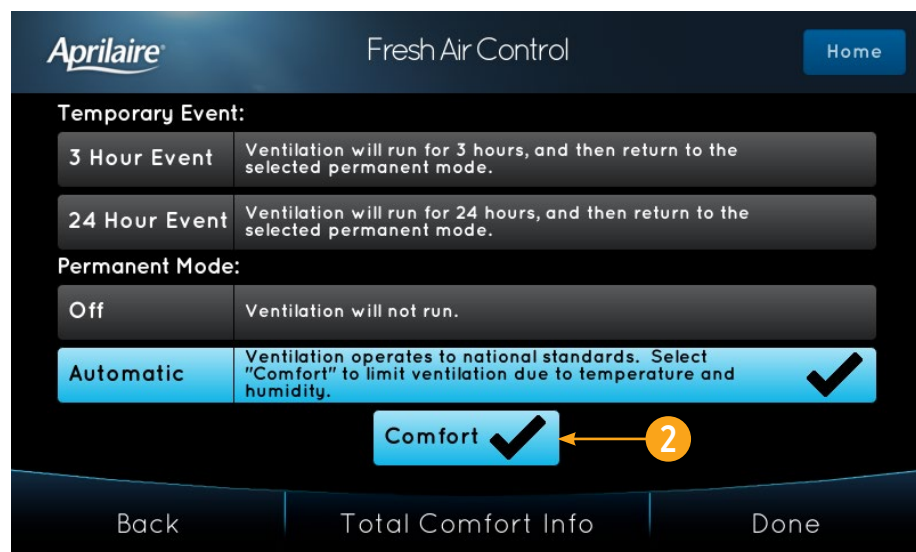
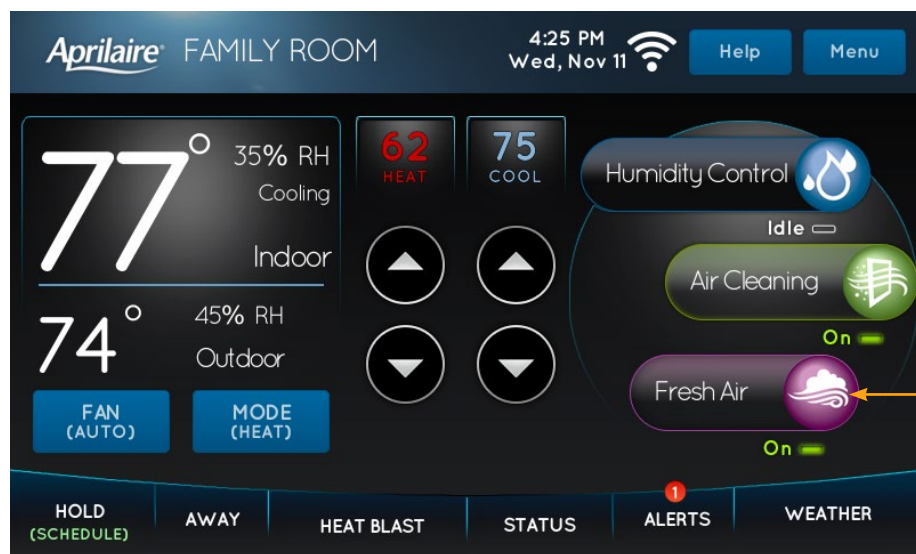
24 Hour Event: When you want a large amount of fresh air to be brought into the home, such as on a day with desirable outdoor conditions, choose this option. Ventilation will run continuously for 24 hours and then return to the previous Permanent Mode.

PERMANENT MODES

Off: When you want to override the normal schedule and disable ventilation, such as when the home will not be used or when conditions outside are undesirable due to a high allergen presence or similar, choose this option. Ventilation will not run.

Automatic: Ventilation will cycle based on the time calculated by your installer to meet your home's minimum requirements.

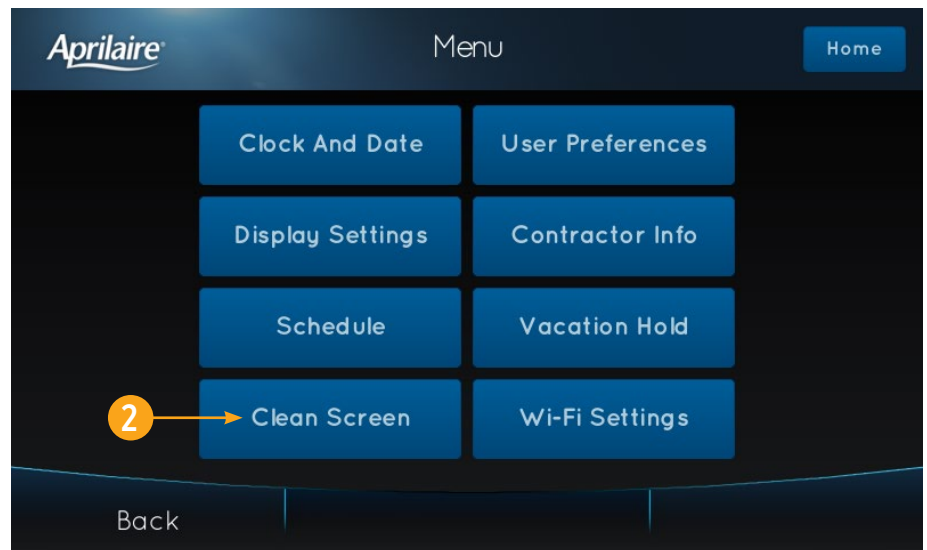
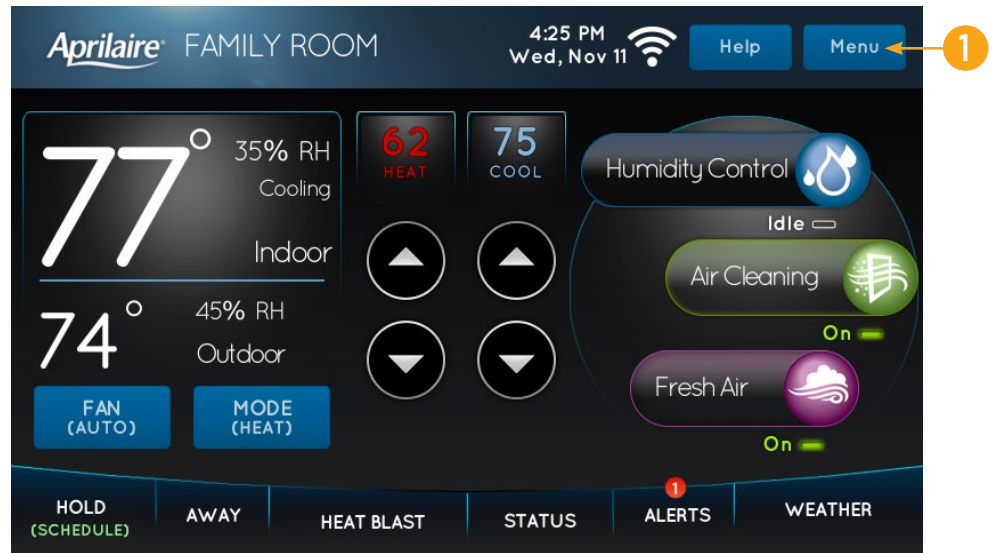
2. Toggle **Comfort** on to suspend ventilation time banking. When **Comfort** is selected, ventilation time lost due to undesirable outdoor conditions will not be made up later. Touch **Comfort** again to resume your regular fresh air schedule.



CLEAN SCREEN

The touch screen can be temporarily disabled in order to clean it. Use a damp cloth with water or household glass cleaner. Do not spray liquids directly on the screen.

1. Touch **Menu** to open the Menu screen.
2. Touch **Clean Screen** to disable the touch screen for 30 seconds. The thermostat will return to the Menu screen when the timer finishes.



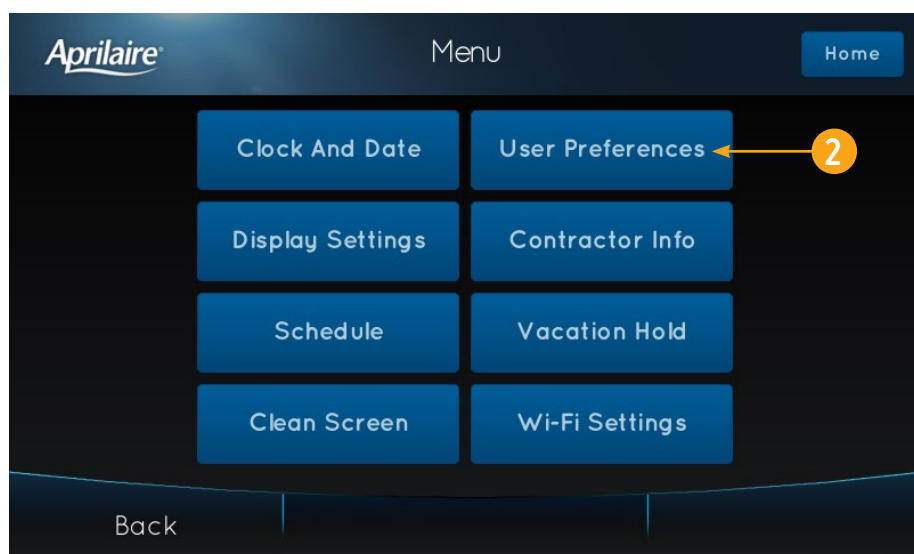
This screen will timeout in

28

USER PREFERENCES

This thermostat comes with a programmable schedule, a temperature scale set to Fahrenheit, default Away settings and with no screen lockout in place. These settings may not suit every homeowner's needs and can be adjusted in the User Preferences screen.

1. Touch **Menu** to open the Menu screen.
2. Touch **User Preferences** to open the User Preferences screen.



USER PREFERENCES

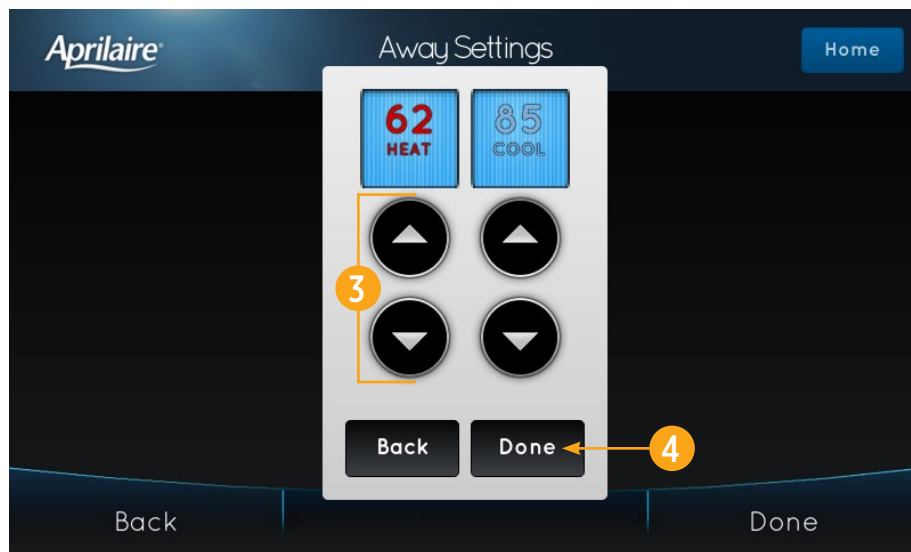
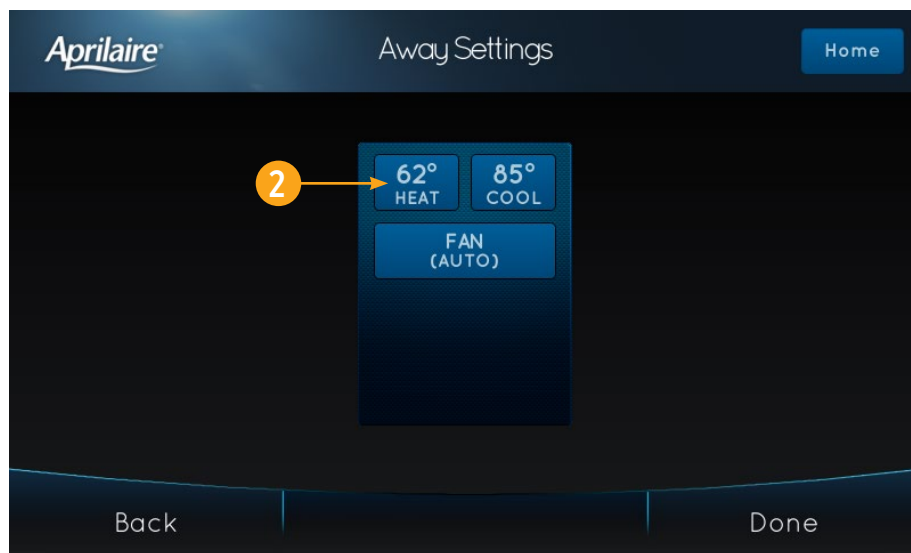
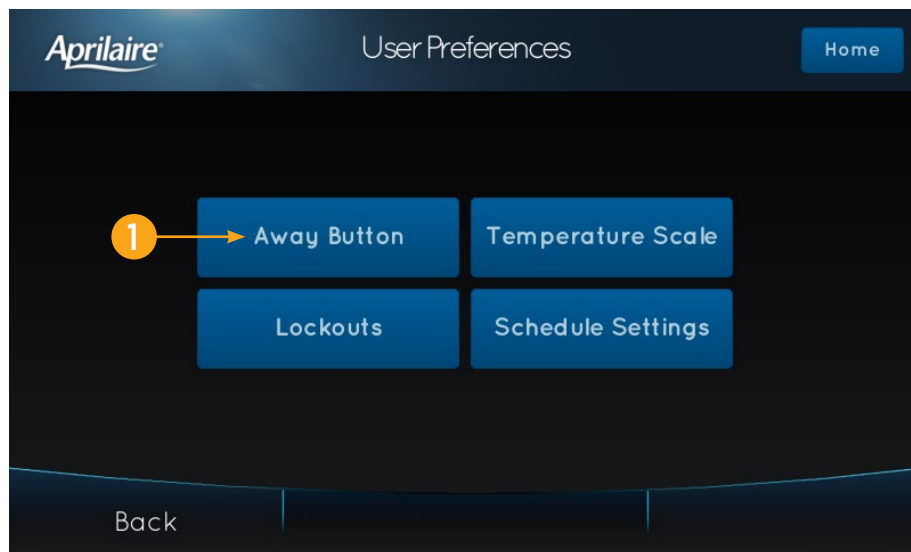
AWAY BUTTON

While this thermostat has heating and cooling setpoints pre-programmed for use with the Away feature, you may prefer other temperatures. The steps below do not activate or deactivate the Away mode, but they do tell the thermostat what setpoints to use when you choose to activate it.

1. Touch **Away Button** to open the Away Settings screen.

The current Heat and Cool setpoints and Fan modes are shown and can be changed by touching their respective settings. These are the settings that will be used while Away is active.

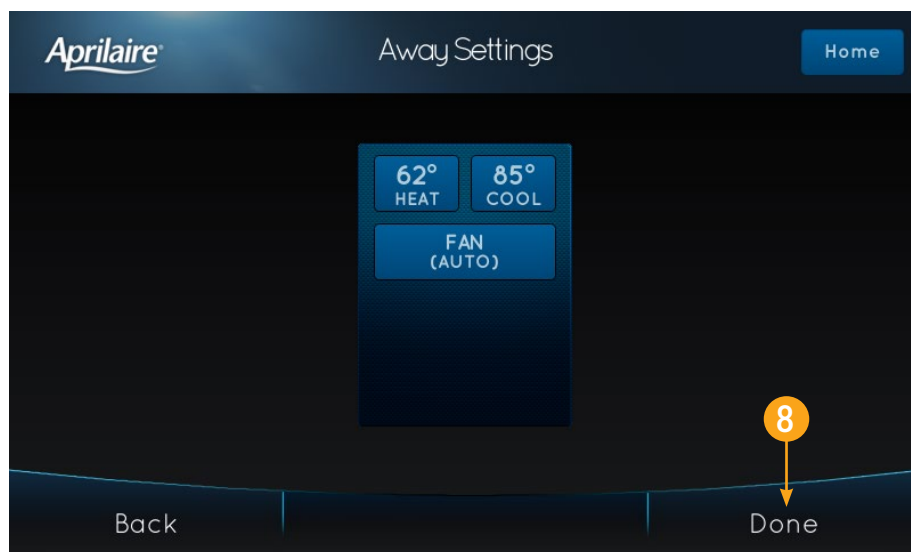
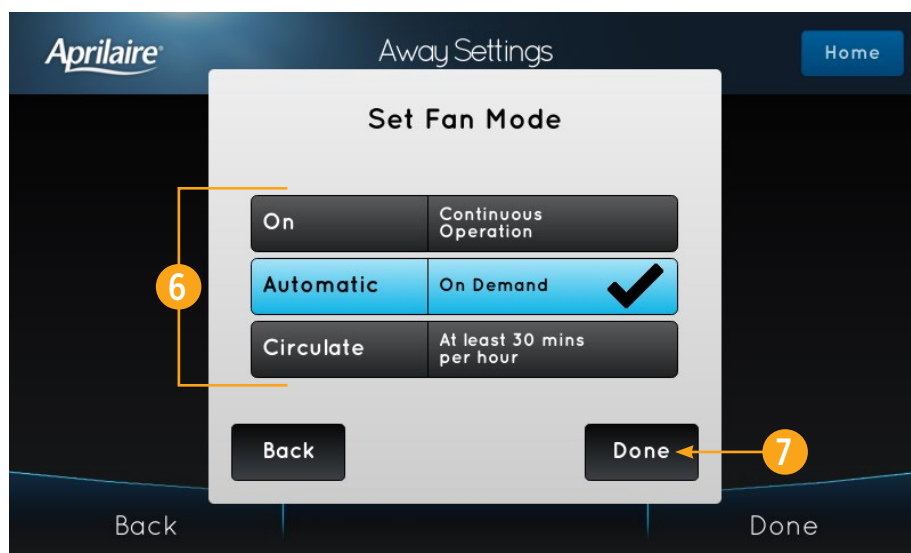
2. Touch **HEAT** or **COOL** to open the temperature pop-up.
3. Touch the ▲ or ▼ arrows to adjust the setpoints to be used while Away is active.
4. Touch **Done** to save any changes.
Touch **Back** to discard your changes.



USER PREFERENCES

AWAY BUTTON (continued)

5. Touch **FAN** to open the Set Fan Mode pop-up.
6. Select the fan mode to be used when Away is active.
7. Touch **Done** to save any changes. Touch **Back** to discard your changes.
8. Touch **Done** to save all changes. Touch **Back** to discard all changes.



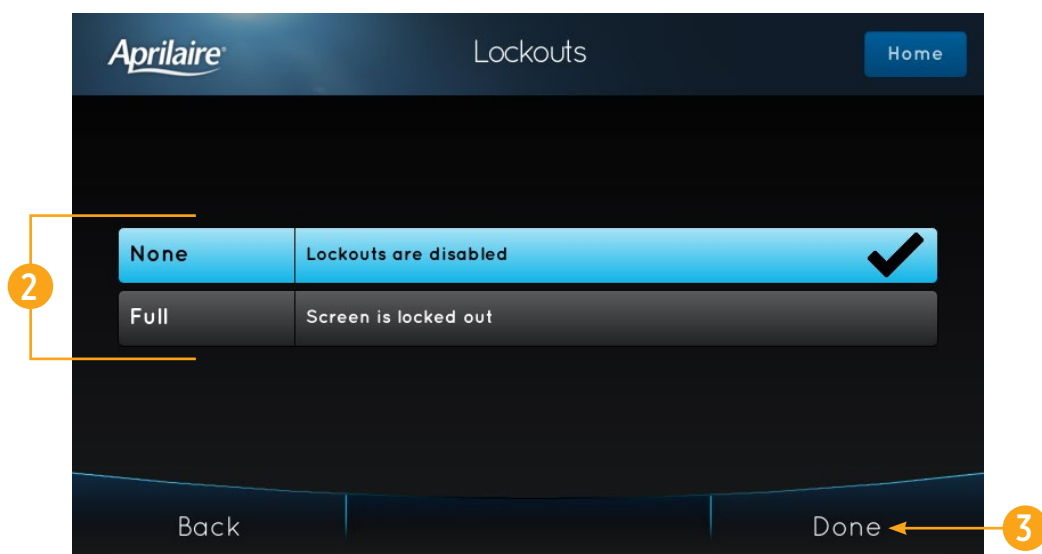
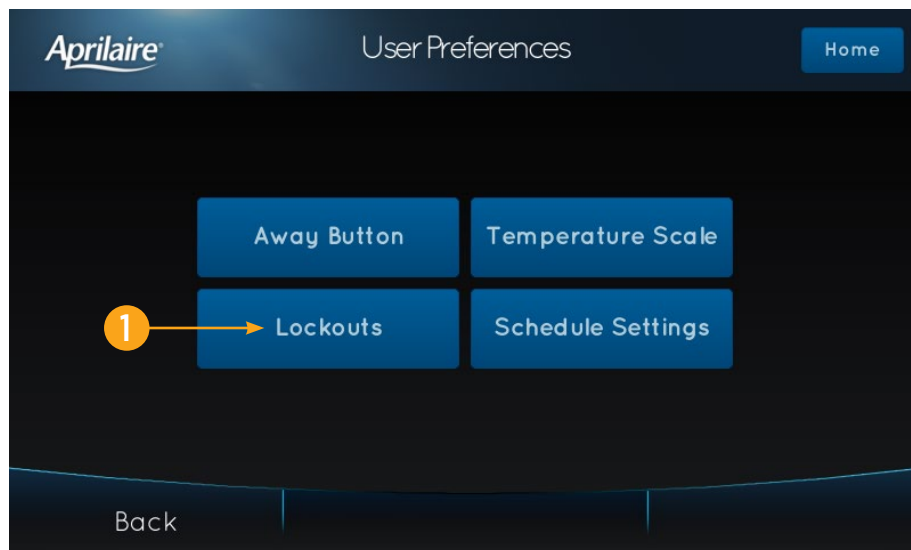
USER PREFERENCES

LOCKOUTS

A lockout is used to prevent any changes to the thermostat from the Home screen.

1. Touch **Lockouts** to open the Lockouts screen.
2. Select **Full** to enable the thermostat lockout. Select **None** to disable the thermostat lockout.
3. Touch **Done** to save the changes.

Note: To temporarily override the full lockout for 30 seconds, hold **Menu** on the home screen for 10 seconds.

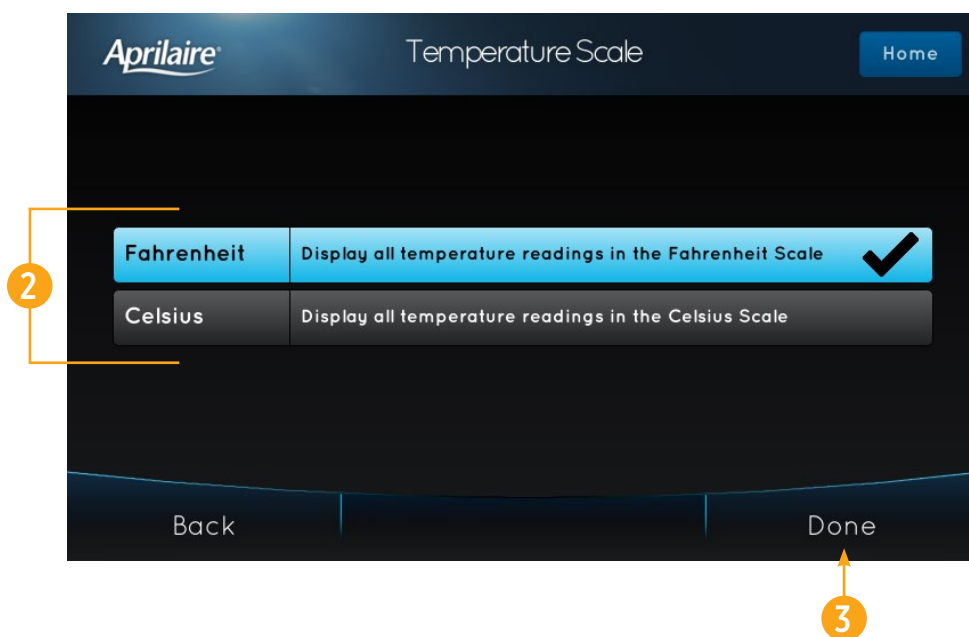
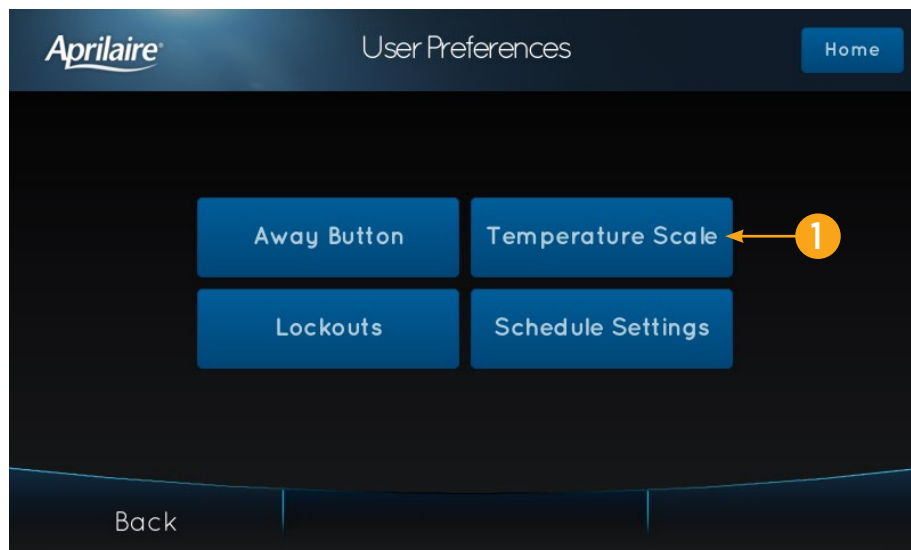


USER PREFERENCES

TEMPERATURE SCALE

The temperature scale on the thermostat can be set to Fahrenheit or Celsius. This affects all settings in the thermostat.

1. Touch **Temperature Scale** to open the Temperature Scale screen.
2. Select **Fahrenheit** or **Celsius**.
3. Touch **Done** to save any changes.
Touch **Back** to discard any changes.

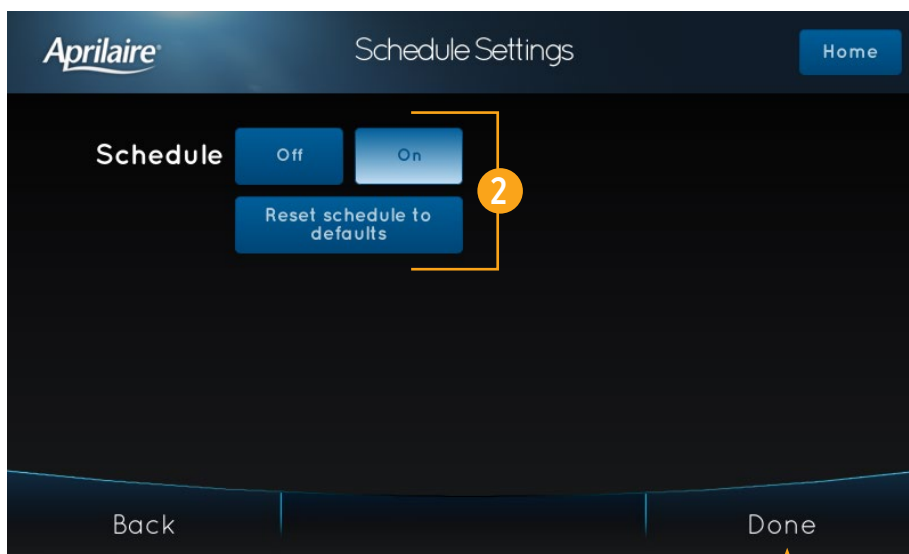
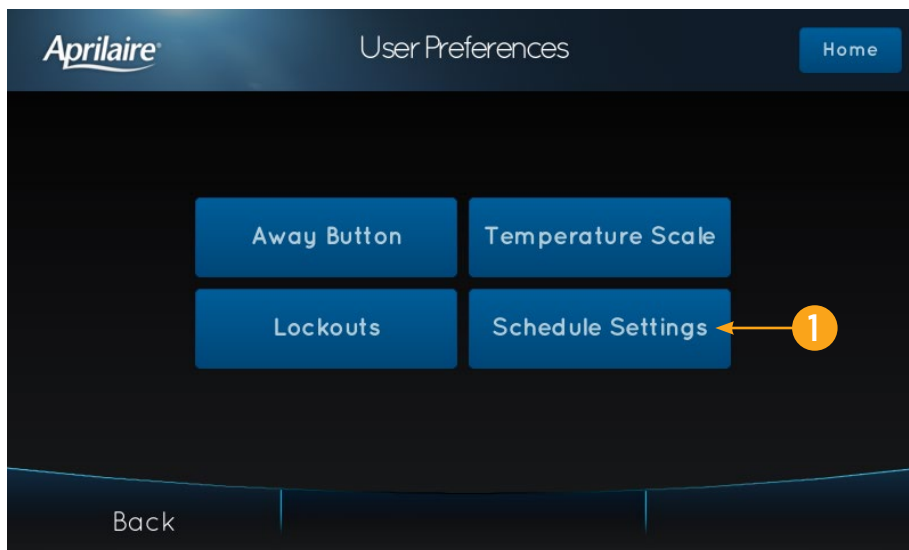


USER PREFERENCES

SCHEDULE SETTINGS

While the schedule settings can be user-adjusted, it may become necessary to reset the schedule to the factory defaults or to disable the schedule entirely.

1. Touch **Schedule Settings** to open the Schedule Settings screen.
2. Select **Off** to disable the schedule. The thermostat will maintain its current setpoints indefinitely or until you set a new temperature. Hold modes will not be available as long as the schedule remains off. Select **On** to re-enable the schedule. The thermostat will resume its schedule at the appropriate point for the current time and day.
3. Touch **Done** to save any changes. Touch **Back** to discard any changes.

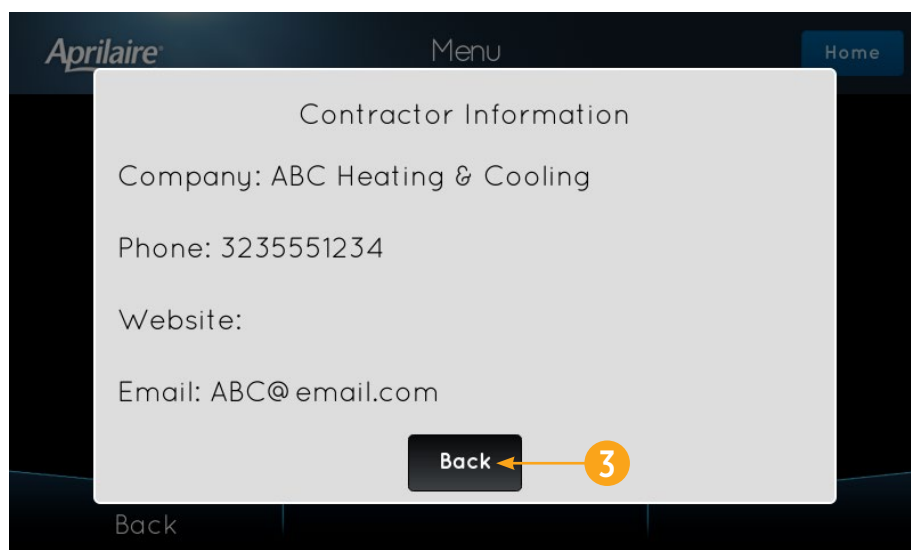
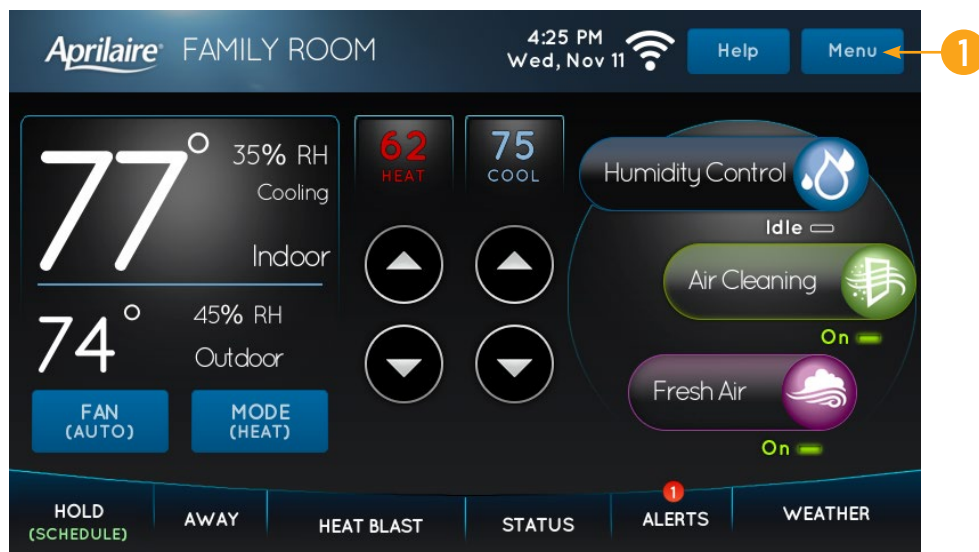


3

CONTRACTOR INFO

Your installer's contact information can be viewed on the Contractor Info screen. This information is only available if it was entered by your installer during your thermostat's initial set-up.

1. Touch **Menu** to open the Menu screen.
2. Touch **Contractor Info** to display the Contractor Information pop-up.
3. Touch **Back** when finished.

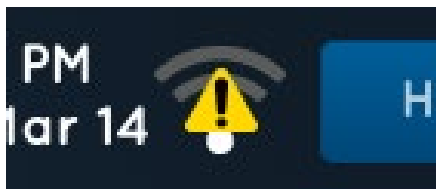


WI-FI MAINTENANCE AND TROUBLESHOOTING

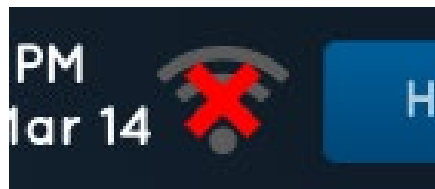
WI-FI STATUS INDICATOR



Connected, operating normally.
You should have one to four bars.



Automation System connection lost.
Thermostat is connected to the access point/router, but not to your home automation system.



Wi-Fi connection lost.
Thermostat is not connected to the Wi-Fi access point/router.



Strobing icon.

Thermostat has not been configured to be used with a Wi-Fi network or the settings have been cleared as described on page 41.

If your viewer supports multimedia animation, click on the icon below that matches your preferred animation filetype.

A plug-in may be required for some PDF viewers.



QuickTime



MP4

WI-FI MAINTENANCE AND TROUBLESHOOTING

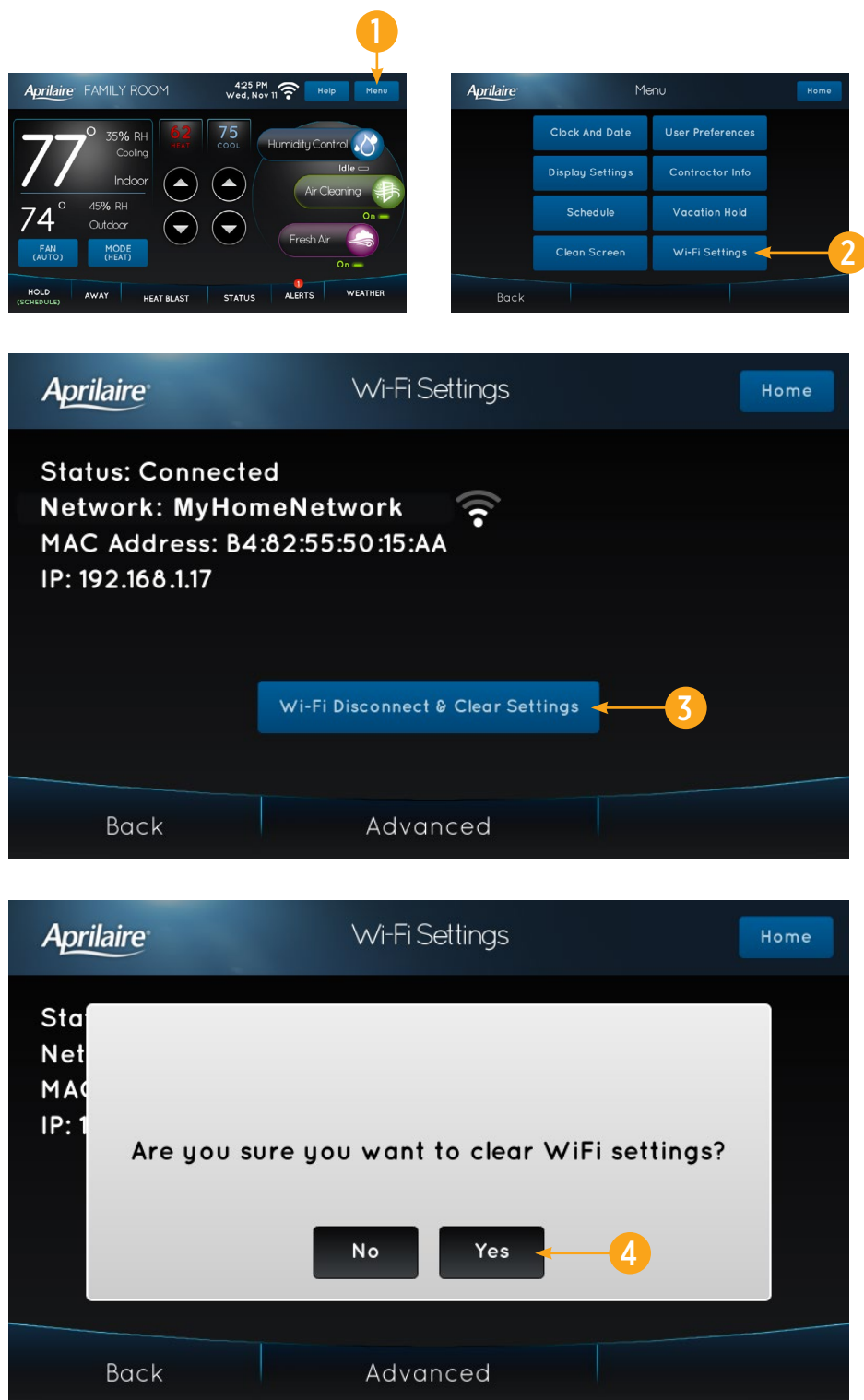
CLEARING ROUTER SETTINGS

If you purchase a new Wi-Fi router or change the security settings on your existing router, the router settings in the thermostat need to be cleared so the new Wi-Fi router settings can be entered.

To clear router settings:

1. Touch **Menu** to open the Menu screen.
2. Touch **Wi-Fi Settings** to open the Wi-Fi Settings screen.
3. Touch **Wi-Fi Disconnect & Clear Settings** to clear all Wi-Fi settings from the thermostat. This will not remove the thermostat from your User Account.
You will be prompted to confirm your choice.
4. Touch **Yes** to continue. Touch **No** to return to the Wi-Fi Settings screen without clearing the Wi-Fi settings.

Refer to pages 4-9 for instructions on connecting the thermostat to your Wi-Fi network.



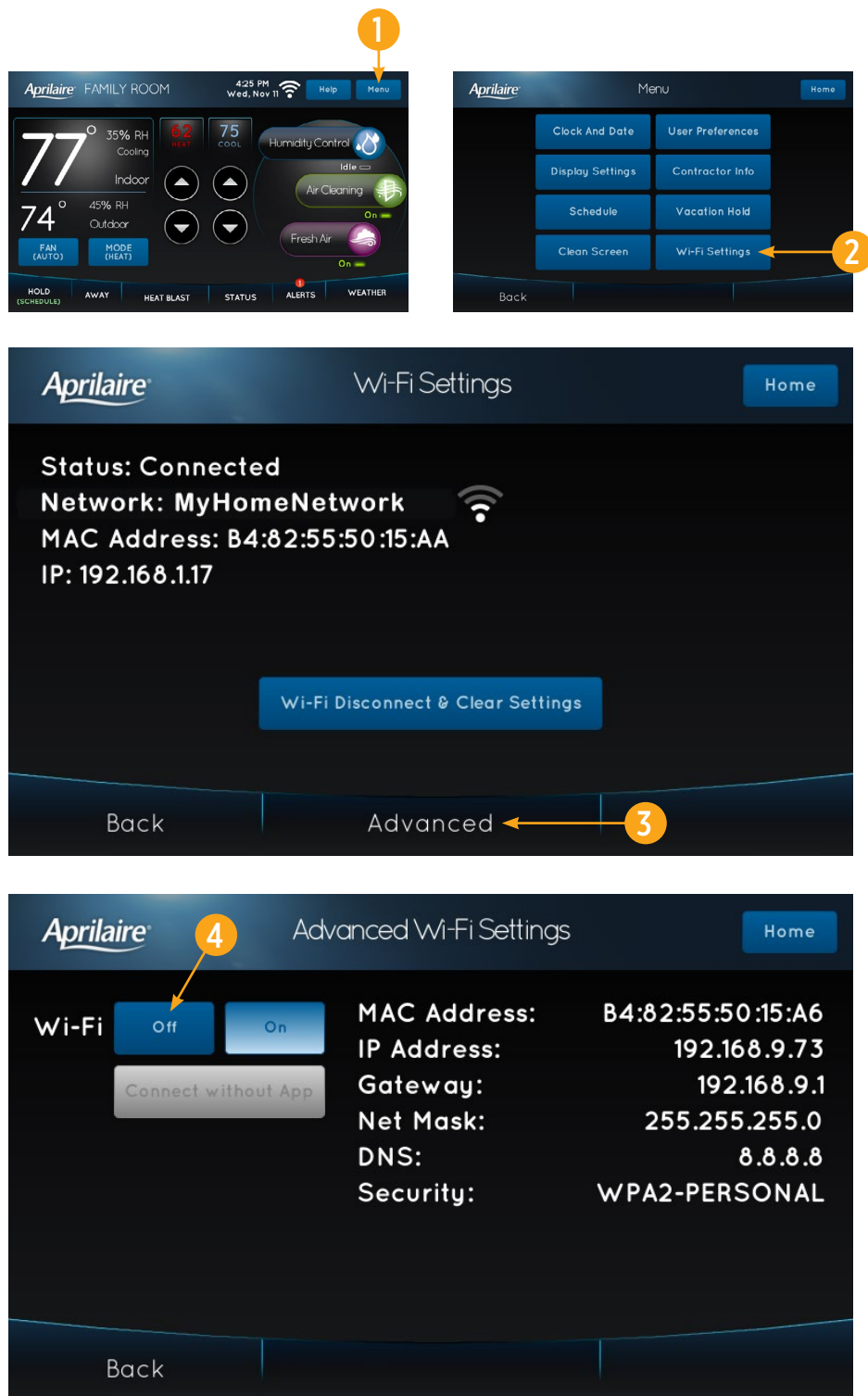
WI-FI MAINTENANCE AND TROUBLESHOOTING

DISABLING THE WI-FI RADIO

The Wi-Fi radio can be manually disabled while maintaining all other network settings.

To disable the thermostat's Wi-Fi radio:

1. Touch **Menu** to open the Menu screen.
2. Touch **Wi-Fi Settings** to open the Wi-Fi Settings screen.
3. Touch **Advanced** to open the Wi-Fi Advanced screen.
4. Touch **Off** to disable the Wi-Fi radio.
Touch **On** to re-enable the Wi-Fi radio.



FIVE YEAR LIMITED WARRANTY

Your Research Products Corporation Aprilaire® thermostat is expressly warranted for five (5) years from date of installation to be free from defects in materials or workmanship.

Research Products Corporation's exclusive obligation under this warranty shall be to supply, without charge, a replacement for any thermostat which is found to be defective within such five (5) year period and which is returned, together with the date of installation, no later than thirty (30) days after said five (5) year period by you to either your original supplier or to Research Products Corporation, Madison, Wisconsin 53701.

THIS WARRANTY SHALL NOT OBLIGATE RESEARCH PRODUCTS CORPORATION FOR ANY LABOR COSTS AND SHALL NOT APPLY TO DEFECTS IN WORKMANSHIP OR MATERIALS FURNISHED BY YOUR INSTALLER AS CONTRASTED TO DEFECTS IN THE THERMOSTAT ITSELF.

IMPLIED WARRANTIES OF MERCHANTABILITY OF FITNESS FOR A PARTICULAR PURPOSE SHALL BE LIMITED IN DURATION TO THE AFORESAID FIVE YEAR PERIOD. RESEARCH PRODUCTS CORPORATION'S LIABILITY FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, OTHER THAN DAMAGES FOR PERSONAL INJURIES, RESULTING FROM ANY BREACH OF THE AFORESAID IMPLIED WARRANTIES OR THE ABOVE LIMITED WARRANTY IS EXPRESSLY EXCLUDED. THIS LIMITED WARRANTY IS VOID IF DEFECT(S) RESULT FROM FAILURE TO HAVE THIS THERMOSTAT INSTALLED BY A QUALIFIED HEATING AND AIR CONDITIONING CONTRACTOR. IF THE LIMITED WARRANTY IS VOID DUE TO FAILURE TO USE A QUALIFIED CONTRACTOR, ALL DISCLAIMERS OF IMPLIED WARRANTIES SHALL BE EFFECTIVE UPON INSTALLATION.

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above exclusions or limitations may not apply to you.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

WARRANTY REGISTRATION

Visit us online at www.aprilaire.com to register your Aprilaire product. If you do not have online access, please mail a postcard with your name, address, phone number, email address, product purchased, model number, date of purchase, and dealer name and address to: Research Products Corporation, P.O. Box 1467, Madison, WI 53701.

Your warranty registration information will not be sold or shared outside of this company.

FCC DECLARATION

Compliance Statement (Part 15.19)

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.

Warning (Part 15.21)

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))

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.

FCC RF Radiation Exposure statement

To comply with FCC/IC RF exposure limits for general population / uncontrolled exposure, the antenna(s) used for this transmitter 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.

IC STATEMENT

RSS-GEN, Sec. 7.1.2

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a 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.

Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada. Dans le but de réduire les risques de brouillage radioélectrique à l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication satisfaisante.

RSS-GEN, Sec. 7.1.3

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.

L'exploitation est autorisée aux deux conditions suivantes:

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.