MyHomeComfort CA4 Communicating Thermostat

RESIDENTIAL
PRODUCT SPECIFICATIONS (EHB)

The MyHomeComfort CA4 Communicating Thermostat recognizes and connects to compatible Communicating Products to automatically configure and control the heating/cooling system (based on homeowner-specified settings) for the highest level of comfort, performance and efficiency.

Thermostat also recognizes model and serial number information for compatible Communicating Products to simplify system setup.



- MyHomeComfort Smart Room Sensors and MyHomeComfort Wireless Extenders can be added to the system
- Conventional outdoor units (not compatible Communicating) can be added and controlled by the MyHomeComfort CA4 Communicating Thermostat, see page 5
- Conventional HVAC systems (not compatible Communicating) can be controlled by the MyHomeComfort CA4 Communicating Thermostat with the addition of the optional Equipment Interface Module (EIM), see page 5
- Optional Comfort Sync Smart Zoning System (for specific HVAC systems) allows whole-home zoning (up to 4 zones) with complete control from the MyHomeComfort CA4 Communicating Thermostat and individual In-Zone Thermostats
- A simple easy-to-use touchscreen allows complete system configuration
- Scheduled maintenance alerts, system warnings and troubleshooting are also displayed on thermostat screen
- Up to four separate schedules are available plus Schedule IQ™
- One-Touch Away Mode - A quick and easy way to set the cooling and heating setpoints while away
- Smart Away® - Schedule IQ™ uses geo-fencing technology to determine when the homeowner is within a predetermined distance from the home to operate the system when leaving, away and arriving
- Weather-On-Demand - Live up-to-date weather data, seven-day forecasts and outdoor conditions (allergies, UV air quality)
- Easy to read 7 in. high-definition color display (measured diagonally)
- Installer setup screens allow quick and simple system configuration without a manual
- Installer can also run tests on complete system or individual components for easy maintenance and troubleshooting
- MyHomeComfort App allows installer to manage systems in the home
- Serial communications bus (RSBus), with less wiring than a conventional heating/cooling system, allows system communication
- Uses standard unshielded thermostat wiring
- High-Definition Color Display with Subbase furnished for easy installation

MyHomeComfort App

Remote Wi-Fi homeowner monitoring and adjustment for smartphones.

Control cooling/heating temperatures, fan operation, set programs and set Away mode for multiple locations.

Receive service alerts and reminders.



Home Automation with Amazon Alexa®, Google Assistant™, Control4®, Building36® Matter Smart Home Integration and IFTTT

- See page 8 for additional information

WARRANTY

EQUIPMENT WARRANTY

- Limited ten years in residential installations
- Limited one year in non-residential installations

NOTE - See MyHomeComfort Basic Limited Warranty for additional details at www.AlliedAir.com/Thermostats.

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TYPICAL SYSTEM COMPONENTS

NOTE - One MyHomeComfort CA4 Communicating Thermostat can control additional thermostats/systems in the home.



MyHomeComfort CA4 Communicating Thermostat with Subbase



MyHomeComfort Wireless Extender



MyHomeComfort App



MyHomeComfort Smart Room Sensor

RSBus

Outdoor Air Temperature Sensor
(furnished on all outdoor Compatible Communicating products)

(Also available as an optional accessory for non-communicating outdoor units)



Communicating Furnace
A98MV(K)
(Modulating Heating Capacity, Variable Speed Blower)
A802V(K), A972V(K)
(Two-Stage Heating, Variable Speed Blower)



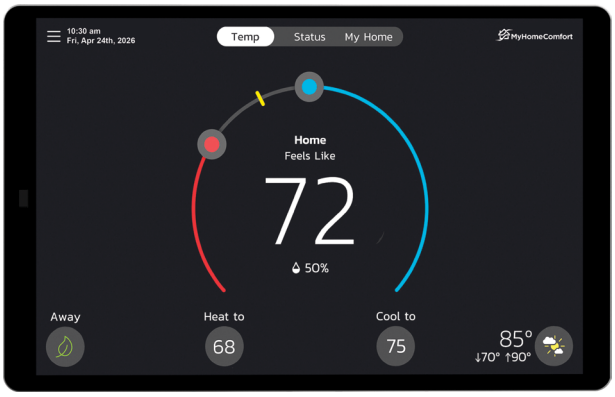
Communicating Air Conditioner
A7AC22 (Variable Capacity)
Heat Pump
A7CP21V (Variable Capacity), A7HP19V (Variable Capacity)



Communicating Air Handler
7AH2AV
(Variable Speed Blower)

FEATURES AND ACCESSORIES

MyHomeComfort CA4 Communicating Thermostat



- Easy to read 7 in. high-definition color tablet-like display to operate the HVAC systems within the home
- Contains a temperature sensor to monitor and control temperatures in the home through the display
  - Temperature Measurement Range - 0 to 150°F
- Contains a humidity sensor to monitor and control humidity levels in the home through the display
  - Humidity Measurement Range - 10 to 90% relative humidity
- Four Wire, 18 to 22AWG (RSBus) standard thermostat cable for terminals (R, C, I+, I-).

NOTE - Refer to the CA4 Installation Instructions for optional wiring connections for communicating thermostats.

CA4 Thermostat can control multiple HVAC systems in the home.

- All homeowner settings are made on the CA4 Thermostat or on the MyHomeComfort App

Subbase

- Furnished with thermostat for secure wall mounting
- Screw terminals for easy wiring hookup
- Mounting hardware is included

MyHomeComfort SMART ROOM SENSOR (optional)



- Wireless sensor collects room temperature and occupancy status and transmits it to the thermostat via Bluetooth Low Energy (BLE) mesh network
- Sensor uses an algorithm to calculate average room temperature based on room occupancy / temperature sensor input along with the thermostat's built-in sensors
- Up to six sensors can be used with a single CA4 thermostat
- Maximum range - 70 ft.
- Operates on two AA 1.5V lithium-ion batteries (furnished), two-year battery life
- Status LED indicates various conditions:
  - Red - Low battery
  - Blue - Signal strength is low or out of range
  - Green - Sensor is in pairing mode
  - Off - Normal operation

LED will alternate between red and blue if there are more than two conditions simultaneously active.

- Pairing/Reset button on bottom allows pairing and also reboots sensor to original factory condition
- Sensor stand and hardware is furnished for installation on a wall

Sensor can only be added to the system using the MyHomeComfort App.

MyHomeComfort WIRELESS EXTENDER (optional)



- Extends the effective Bluetooth Low Energy (BLE) mesh network range
- Up to two wireless extenders can be used with a single CA4 thermostat
- Power - Two prong plug-in to 120V electrical connection
- Status LED indicates various conditions:
  - Blue - Signal strength is low or out of range
  - Green - Extender is in pairing mode
  - Off - Normal operation
- Pairing and Reset buttons allows pairing with thermostat and also resets sensor to original factory condition

Extender can only be added to the system using the MyHomeComfort App.

SYSTEM COMPONENT TYPES

System Type	Thermostat	[1] Outdoor Unit Type (Compatible Communicating or Non-Communicating)	[1] Indoor Unit Type (Compatible Communicating)	[2] Indoor Unit Type (Non-Communicating) Equipment Interface Module (EIM) Required
Air Conditioner	CA4	Either type may be used	A802V(K), A972V(K), A98MV(K) Furnace	Most Furnaces
	CA4	Either type may be used	7AH2AV Air Handler	Most Air Handlers
Heat Pump	CA4	Either type may be used	A802V(K), A972V(K), A98MV(K) Furnace	Most Furnaces
	CA4	Either type may be used	7AH2AV Air Handler	Most Air Handlers
Heat Pump (Dual-Fuel)	CA4	Non-Communicating	A802V(K), A972V(K), A98MV(K) Furnace	Equipment Interface Module (EIM) Required (EIM Not Required on “K” furnace models with Integrated RDS Control)
	CA4	Non-Communicating	7AH2AV Air Handler	Equipment Interface Module (EIM) Required

[1] Compatible communicating indoor units may be used with either a Compatible communicating outdoor unit or a conventional non-communicating outdoor unit (some system features will be reduced with a non-communicating outdoor unit).

[2] Any conventional non-communicating indoor unit requires the Optional Equipment Interface Module (EIM) when used with either a Compatible communicating outdoor unit or a conventional non-communicating outdoor unit.

NOTE - The Equipment Interface Module (EIM) is not for use with Compatible communicating outdoor units.

THERMOSTAT AND ACCESSORIES ORDERING INFORMATION



MyHomeComfort
CA4 Communicating Thermostat



MyHomeComfort
Smart Room Sensor



MyHomeComfort
Wireless Extender



Equipment Interface Module (EIM)

Description	Catalog No.
Comfort Sync Zoning Damper Control	**1.851399**
Comfort Sync Zone Sensor	**1.851422**
MyHomeComfort CA4 Communicating Thermostat (with Subbase) Dimensions (H x W x D): 5 x 7-1/4 x 1 in.	**31Y97**
MyHomeComfort Smart Room Sensor Dimensions (H x W x D): 4 x 5-1/2 x 3 in.	**31Y95**
MyHomeComfort Wireless Extender Dimensions (H x W x D): 4 x 5-1/2 x 2-1/2 in.	**31Y96**
Equipment Interface Module (EIM) - For most non-communicating HVAC systems including dual-fuel capable non-communicating heat pumps Dimensions (H x W x D): 6-1/8 x 7-1/2 x 1-3/8 in. NOTE - Equipment Interface Module (EIM) is also required for HRV/ERV integration with the MyHomeComfort CA4 Communicating Thermostat.	**22X18**
[1] Optional Outdoor Air Temperature Sensor	**X2658**
[2] Discharge Air Temperature Sensor	**88K38**

[1] The Optional Outdoor Air Temperature Sensor may be used with a compatible Communicating equipped outdoor unit for a secondary (alternate) sensor reading. The Optional Outdoor Air Temperature Sensor may be ordered for use with a conventional outdoor unit.
NOTE - The Optional Outdoor Air Temperature Sensor is REQUIRED for dual-fuel applications with a non-communicating heat pump outdoor unit.

[2] Required with Air Handler applications when using EVENHEATER® option. Optional on all other applications for service diagnostics.

FEATURED INDOOR/OUTDOOR PRODUCTS

A98MVK Modulating Heating Capacity, Variable-Speed Furnaces

- ENERGY STAR® qualified



- Up to 98.0% AFUE energy efficiency
- Modulating heating capacity operation
- Variable speed blower motor
- Multi-position design
- Communicating Control
- Fully insulated cabinet
- Silicon nitride igniter
- Also available - A972VK and A802VK Gas Furnaces

A7AC22V Variable Capacity Air Conditioners

- ENERGY STAR® qualified
- Up to 22.0 SEER2 cooling efficiency
- Communicating Control
- Precise Comfort® Technology
- Quiet operation, as low as 60 dBA
- Quantum™ Coil
- R-454B refrigerant
- Dependable and efficient variable capacity rotary compressor
- Louvered coil protection.



A7CP21V Variable Capacity Heat Pumps

- ENERGY STAR® qualified



- Up to 21.0 SEER2 cooling and 10.0 HSPF2 heating efficiency
- Communicating Control
- Quiet operation, as low as 62 dBA
- R-454B refrigerant
- Dependable and efficient variable capacity rotary compressor
- Louvered coil protection
- Also available - A7HP19V Variable Capacity

ATTENTION - The MyHomeComfort CA4 Communicating thermostat with Equipment Interface Module (EIM) will work with most 24VAC furnaces, air conditioners, air handlers and heat pumps (up to 3 stages of heat and 2 stages of cooling).NOTE - CA4 Thermostat WILL NOT WORK with other brands of communicating HVAC equipment other than Armstrong Air or AirEase.

7AH2AV Variable Speed Handlers



- 4-way multi-position design
- Communicating Control
- Variable speed blower motor
- Omniguard Coil
- R-454B refrigerant compatible
- Automatic comfort control for lower, summertime humidity levels
- Anti-microbial drain pan resists the growth of mold and mildew

Equipment Interface Module (EIM)

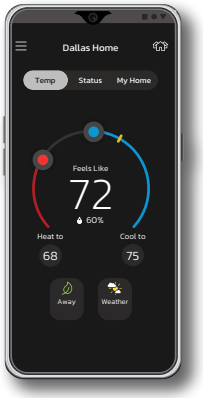


- Allows the CA4 Thermostat to be used with most non-communicating HVAC systems (24VAC)
- The EIM emulates a Communicating indoor unit (with reduced communication features)
- See the Equipment Interface Module (EIM) Product Specifications bulletin for additional information

NOTE - Equipment Interface Module (EIM) is also required for HRV/ERV integration with the CA4 Thermostat.

MOBILE APPS (HOMEOWNER/INSTALLER)

MyHomeComfort (Homeowner & Installer)



The free MyHomeComfort App is available for use on smartphones.

Control cooling/heating temperatures, fan operation, set programs/schedules and set Away mode for multiple locations.

Download on the App Store

ANDROID APP ON Google play

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Android is a trademark of Google Inc. Use of this trademark is subject to Google permission.

HOME AUTOMATION

Amazon® Alexa



The MyHomeComfort CA4 Communicating Thermostat is an Amazon® Alexa-enabled, smart-home-compatible thermostat.

Allows the homeowner to tell Alexa to control system mode and heating cooling setpoints.

Works in conjunction with the Amazon Alexa app (click icon):

WORKS WITH amazon alexa

Download on the App Store

See User Guide for additional information about device setup and available voice commands.

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Google Assistant

Control basic functions of the MyHomeComfort CA4 Communicating Thermostat using Google Assistant.



Download the Google Home app from Google Play or the App Store™ on a compatible phone or tablet, then follow the on-screen steps to finish setup.

Once the thermostat is added to the Google Home app install the Google Assistant app (Android and IOS) to enable voice control.

NOTE - The Google Assistant app may already be installed on the Android device.

works with the Google Assistant

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HOME AUTOMATION

Control4® Smart Home | Operating System

Control4 is a leading control and automation platform which works with thousands of smart devices integrating audio, video, lighting, security, intercom, and climate control into a seamless customer experience



Control4 gives the customer an easy-to-use interface to control the MyHomeComfort CA4 Communicating Thermostat.

Settings include:

- Display all systems in the home and select a system
- Display all zones in the system and select a zone
- Turn system or zones on or off
- Change manual modes (heat, cool, off)
- Change heating/cooling setpoints for each zone/system
- Change fan mode (on, auto, circulate)

For additional information please visit the Support Website for Control4 Integration.

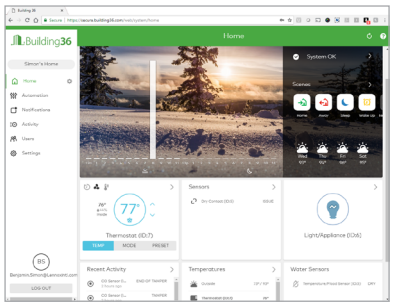
Control4 CERTIFIED

NOTE - For integration with MyHomeComfort Thermostats, the customer must contact their Control4 dealer directly to download and install the necessary driver for their operating system.

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Building36® Practical Home Automation

Building36® is a leading control and automation company that delivers next-generation smart home solutions which work with thousands of smart devices, integrating control for HVAC, water, video, lighting/appliance and security into one location



Building36® gives the customer an easy-to-use interface via the Building36 Dashboard or the Building36 Home Mobile App to control the MyHomeComfort CA4 Communicating Thermostat

Settings include:

- Display all systems in the home and select a system
- Display all zones in the system and select a zone
- Turn system or zones on or off
- Change manual modes (heat, cool, off)
- Change heating/cooling setpoints for each zone/system
- Change fan mode (on, auto, circulate)

Building36® AN ALARM.COM COMPANY

For additional information please visit https://building36.com

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Matter Smart Home Automation

- Matter is an open standard for smart home technology that lets your device work with any Matter-certified ecosystem using a single protocol
- Matter comes from the Connectivity Standards Alliance, an organization of hundreds of companies creating products for the smart home
- Works with thousands of smart devices
- Enabled with Matter, the MyHomeComfort CA4 Communicating Thermostat will work with other smart devices built on this industry-unifying technology, including voice-enabled assistants, straight out of the box
- Smart devices enabled with Matter work together seamlessly
  - Simplicity - Simplifying connected experiences
  - Interoperability - Providing greater compatibility and easier connections
  - Reliability - Enabling reliable connections
  - Security - Maintaining secure connections

matter

For additional information please visit https://matter-smarthome.de/en/

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IFTTT

- IFTTT, an acronym for If This Then That, is a free service that automates connectivity between apps and services, enabling users to utilize “recipes” that will coordinate small tasks between Internet and web services.
- Download the IFTTT app from Google Play or the App Store™ on a compatible phone or tablet. Then follow the on-screen steps to finish setup.
- For additional information please visit the Support Website for IFTTT Integration.

Works with IFTTT

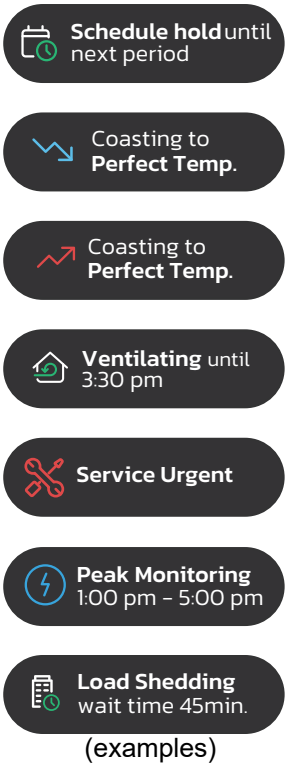
HOMEOWNER SETTINGS

HOME SCREEN (Thermostat ON)	Notes
	Touch blank screen to turn on the backlight. If proximity sensor is on (approximately 12 in. range) display will turn on automatically. If system is Off, the Power Button is displayed below the temperature/humidity display. Touch to set the Mode and start the system.
Temperature Settings	
Large display of current inside temperature (°F or °C)	Touching the heat or cool setpoint indicators on the round temperature band, or touching the **Heat-To** or **Cool-To** buttons displays the heat or cool menu screens (see page 12). Both heating and cooling setpoint indicators on the round temperature band and the **Heat-To** and **Cool-To** buttons are displayed if System is set to Heat/Cool mode or if an active schedule is set to Heat/Cool mode.
Heating and Cooling Setpoint Indicators on the round temperature band	
Current cooling setpoint temperature Button (Cool-To)	
Current heating setpoint temperature Button (Heat-To)	
Current Outdoor Temperature and Weather Forecast	
Displays current outdoor temperature in °F or °C and the current weather forecast	The default outdoor temperature is supplied by the Outdoor Air Temperature Sensor or the Wi-Fi data connection (homeowner selectable on the thermostat). The outdoor sensor is furnished as standard with compatible Communicating outdoor units, optional for conventional units. Touch to display **Weather Forecast** screen (see page 13).
Time and Date Display	
Displays current date and time	- - -
Humidity Display	
Displays current inside relative humidity below current indoor temperature	- - -
Menu Button 	Touch to display **Menu** screen (see page 11). Any Notifications will be displayed over the top-right corner of the Menu Button.
Away Button 	Touch to enable **Away** mode (see page 13).
Temp Button	
Returns to the Home Screen. Displays current temperature screen for the current system where the thermostat and sensors are located	Touch the **Temp** button when on the **Status** or **Home** screen to return to the main screen.
Status Button	
Displays current system operating status screen for the current system/area where the thermostat and sensors are located	See page 13.
My Home Button	
Displays status screen for single and multiple home systems where the thermostat and sensors are located	See page 10.

HOMEOWNER SETTINGS

HOME SCREEN (Thermostat ON)

System Status Icons
(right side of home screen)

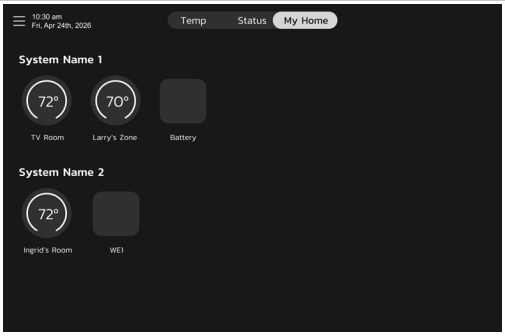


(examples)

Notes

- Up to four status icons can be displayed at one time on the right side of the screen.
- **Schedule Hold** is displayed when a current schedule override is in effect. **Cancel** returns to current schedule (see page 11).
- **Coasting** allows the current temperature to reach desired setpoint without system operation by "coasting" to the set heating or cooling setpoint. **Cancel** returns to current schedule.
- **Ventilating** is only displayed if the optional Fresh Air Damper or HRV/ERV Heat/Energy Recovery Ventilator is part of the system. Touch **Cancel** to stop ventilation operation. (Also see page 19).
- **Peak Monitoring** allows the utility company to control the energy savings time period (California only). You can select cancel to exit this mode.
  By canceling homeowner is opting out of the current active energy savings events. (Also see page 26).

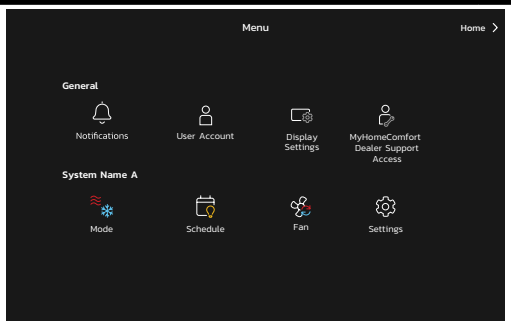
MY HOME SCREEN

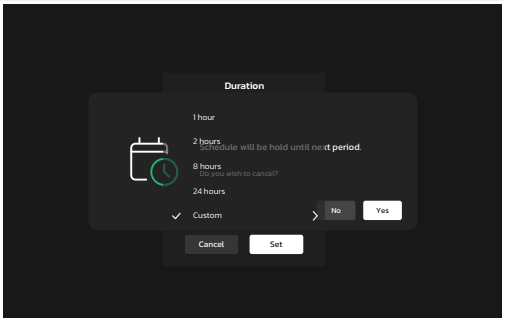


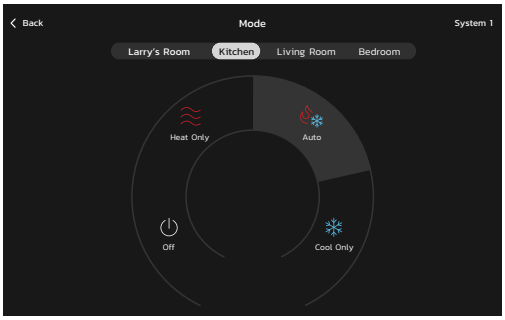
Notes

- Displays current conditions for thermostat, Smart Room Sensors and Wireless Extender
  Also displays Comfort Sync Smart Zoning System (if equipped).
- A Notification symbol will be displayed over the top-right corner of the My Home Button (if required).
- Touch an icon to view the **Temp** screen for that particular zone or sensor. (Also see page 21).

HOMEOWNER SETTINGS

MENU SCREEN		Notes
		Touch the **Menu** button ☰ on the home screen to display the **Menu** screen. If multiple thermostat control systems are available they will be shown below the General menu settings.
General	Notifications	See page 25
	User Account	See page 23
	Display Settings	See page 22
	MyHomeComfort Dealer Support Access	See page 21
System Name	Mode	See page 11
	Schedule	See page 24
	Fan	See page 12
	Settings	See page 14

SCHEDULE HOLD SCREEN	Notes
	Touch the **Menu** button ☰ on the home screen to display the Schedule button. Touch the **Schedule** button to display the screen. The **Schedule Hold** screen is displayed after changing the temperatures on the heating or cooling screens while a schedule is running (see page 12). Preset 1, 2, 8, 24 hours or custom setting (using the Time Tool) sets and hold the temperature for a preset or custom time period until the next time period setting. Touching the **Schedule Hold Status Icon** on Home Screen cancels the held setting.

MODE SCREEN		Notes
		Touch the **Menu** button ☰ on the home screen to display the Mode button. Touch the **Mode** button to display the screen. Touch the different home areas (if available) to set the modes for different spaces in the home Touch **back** button to return to the Home Screen.
Select System Mode	Off Button	Touch each button to set the mode operation.
	Heat Only Button	
	Emergency Heat Button (heat pump systems only)	
	Auto Button	
	Heat/Cool Button	
	Cool Only Button	

HOMEOWNER SETTINGS

FAN SELECT SCREEN



Notes

- Touch the **Menu** button ☰ on the home screen to display Fan button. Touch the **Fan** button to display the screen.
- Touch the **Back** button to return to the Home Screen.

Select Fan Mode	On
	Auto
	Circulate

- Touch each button to set the fan operation.

HEAT MENU SCREEN



Heating setpoint display

Heating Setpoint Indicator on the round temperature band

Plus (+) and Minus (–) buttons

Notes

- On the Home Screen, touching the heat setpoint indicators on the round temperature band, or touching the **Heat-to** button displays the Heat Menu screen.
- Touch and move the red heat setpoint indicator on the round temperature band, or touch the **plus** or **minus** buttons to change the heating setpoint in one degree increments. Adjustable 60 to 90°F.
- During a scheduled time period, touching either the setpoint indicator on the temperature band or the heat-to button will initiate a temporary override (schedule hold) (see page 11).

COOL MENU SCREEN



Cooling setpoint display

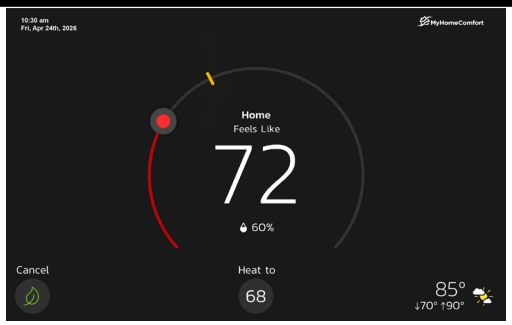
Cooling Setpoint Indicator on the round temperature band

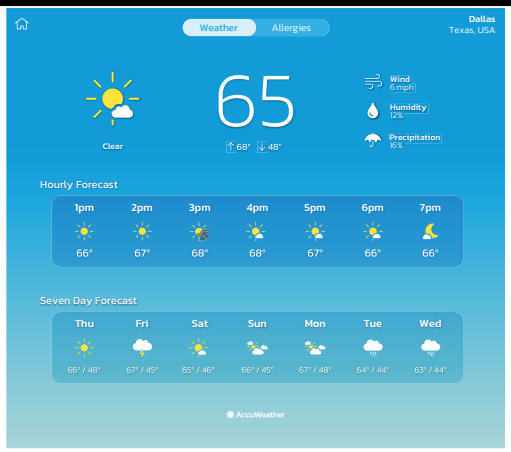
Plus (+) and Minus (–) buttons

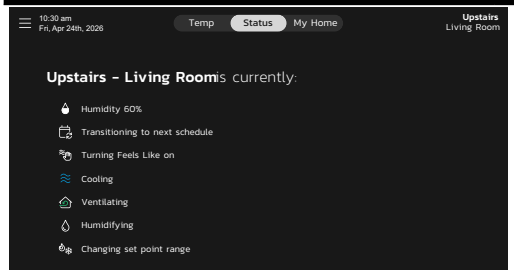
Notes

- On the Home Screen, touching the cool setpoint indicators on the round temperature band, or touching the **Cool-to** button displays the Cool Menu screen.
- Touch and move the blue cool setpoint indicator on the round temperature band, or touch the **plus** or **minus** buttons to change the cooling setpoint in one degree increments. Adjustable (60 to 90°F).
- During a scheduled time period, touching either the setpoint indicator on the temperature band or the cool-to button will initiate a temporary override (schedule hold) (see page 11).

HOMEOWNER SETTINGS

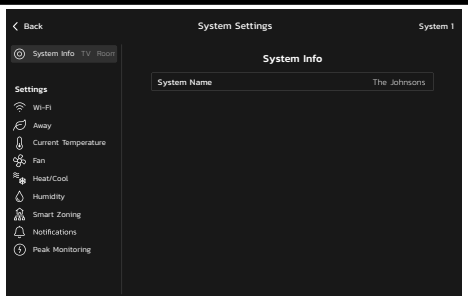
AWAY SCREEN	Notes
	Touch the **Away** button  on the home screen to enable Away Mode. Also see page 14 for Away Mode settings. Touch the **Cancel** button on the home screen to end Away Mode and return to current system operation. Away Mode affects all zones in the system.
Initiates preset heating/cooling setpoints during unoccupied periods	
Cancel Away Mode Button (home screen)	

WEATHER FORECAST SCREEN	Notes
	Wi-Fi must be enabled to access weather forecast screen. Weather information is provided by Accuweather. Configured in the Display settings (see page 22).
Current conditions (temperature, high-low temperature forecast for current day, precipitation percentage, wind and relative humidity)	Touch the **Weather** button at the top of the screen to see the current conditions.
Hourly forecast	
7-Day forecast	
Pollen conditions (tree, weed, grass, mold)	Touch the **Allergies** Button at the top of the screen to see current conditions. Touch the individual pollen, UV and air quality circles to see the conditions scale (low-medium-high).
UV Index	
Air Quality	

STATUS SCREEN	Notes
	Depending on system type and operation, status screen will display various modes and conditions, including Humidity (%), Current Schedule, Schedule Transitioning, Heating, Cooling, Ventilating (fan mode), Humidifying/ Dehumidifying, Aux. Heat, Ambient Lockout, Load Shedding and more for the zone/area selected on the My Home screen.
Displays current system operating status screen for the current system/area where the thermostat and sensors are located	- - -

HOMEOWNER SETTINGS

SYSTEM SETTINGS SCREEN

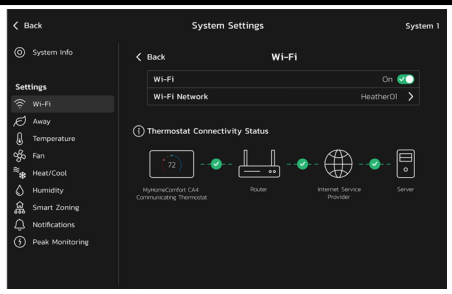


Notes

- Touch the **Menu** button ☰ on the home screen to display the Settings button. Touch the **Settings** button to display the System Settings screen.
- Touch **System Name** to rename the system using the keyboard tool.
- Touch a parameter on the left side of the screen to display that particular screen.
- Touch the **back** button to return to the Home Screen.

Access to all user settings	Wi-Fi	See page 14
	Away	See page 13
	Current Temperature	See page 15
	Fan (Allergen Defender)	See page 15
	Heat/Cool	See page 16
	Humidity	See page 17
	Smart Zoning (if installed)	See page 18
	Notifications	See page 18
	Peak Monitoring	See page 26

WI-FI SCREEN

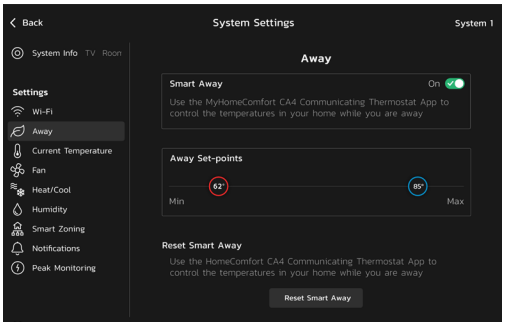


Notes

- Touch **Wi-Fi Network** to see a list of available networks or to add a network connection not shown (other). Also displays network status (secured/unsecured), strength.
- Touch the **i** button for additional information about a particular network (name, SSID, security, RSSI, etc.).
- Touch a particular network ID to connect to that network. Enter password to connect.
- A red "X" means that there is an issue with a connection point that must be resolved.

A graphical representation of the home network showing the connection status from the Thermostat to the Internet to the MyHomeComfort server.
Wi-Fi Button (on/off)
Wi-Fi Network

AWAY SETTINGS SCREEN

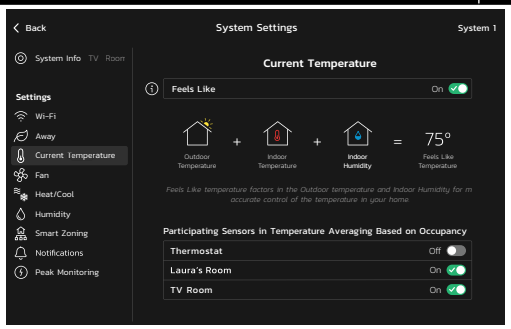


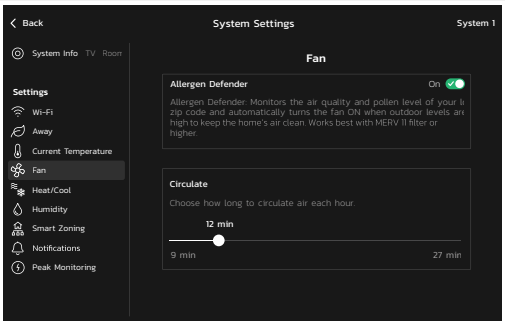
Notes

- Touch **Away** to display the Smart Away® settings. Use the slider to adjust the Away Cooling/Heating Setpoints.
- Use the MyHomeComfort App to control the temperatures in the home while away.

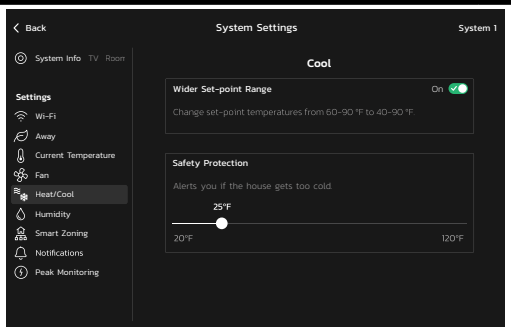
	Setting	**Default**
Controls the temperature in the home while away.		
Smart Away®	On/Off	
Away Setpoints	60 to 90°F	**62°F heating** **85°F cooling**
Reset Smart Away® (disables Smart Away® on all mobile devices)		

HOMEOWNER SETTINGS

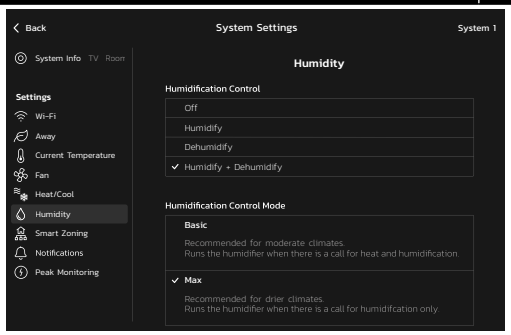
CURRENT TEMPERATURE SCREEN	Setting	Notes
		Touch **Current Temperature** to display the Current Temperature Screen.
Accurately controls temperature in the home by determining the "Feels Like™" temperature based on outdoor temperature, indoor temperature plus indoor relative humidity.	On/Off	
Smart Room Sensors	On/Off	Participating Smart Room Sensors can be enabled or disabled and also be enabled or disabled for Temperature Averaging based on occupancy (sleep).

FAN SCREEN	Setting	Default	Notes
			Touch **Fan** to display the Fan Screen.
Allergen Defender (cleaning air)			Allergen Defender monitors the air quality and pollen levels of your local zip code and automatically operates the indoor blower during times of reported high pollen levels to keep the home's air clean. Wi-Fi connection is required.
Set how long to circulate the air each hour.	9 to 27 minutes	**20 minutes**	Works best with MERV 11 filters or higher.

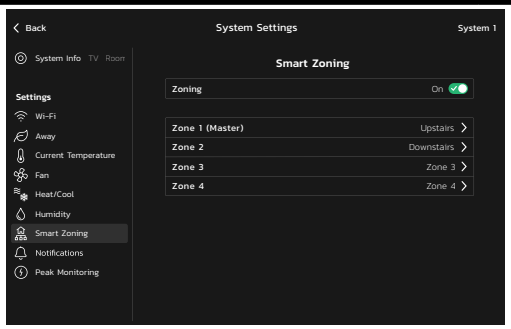
HOMEOWNER SETTINGS

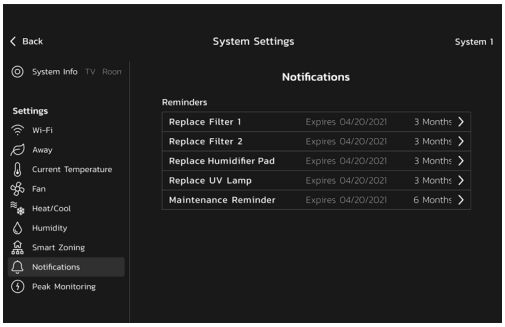
HEAT/COOL SCREEN		Notes
 Adjustments for heating and cooling setpoints, auxiliary heat, safety protection and other settings.		Touch **Heat/Cool** to display the Heat/Cool Screen. Depending on system mode setting, **Heat/ Cool, Heat** or **Cool** only is displayed in the System Settings.
Perfect Temp (Non-Zoning Systems Only) Control heating and cooling temperatures with a single setpoint.	On/Off	- - -
Wider Setpoint Range Control heating and cooling temperatures with a wider setpoint range	On/Off (Changes temperature range from 60-90°F to 40-99°F)	
Auxiliary Heat (Heat Pump Systems Only)	On/Off Allows auxiliary heat operation if temperature drops below set balance point -20 to 75°F, adjustable	Selecting **Auxiliary Heat** displays a slider to adjust balance point levels.
Safety Protection	30 to 100°F, adjustable	**Safety Protection** alerts the homeowner if the house is too cold or hot.

HOMEOWNER SETTINGS

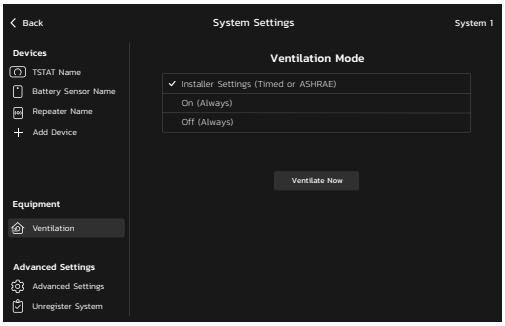
HUMIDITY SCREEN	Setting	Default	Notes
			Touch **Humidity** to display the Humidity Screen. **Dewpoint** setting is only available with remote Outdoor Temperature Sensor. Sensor is furnished as standard with compatible Communicating outdoor units, optional for conventional units (-15 to 15%, adjustable, default is **0%**). **Humidification Control Center** • **Basic** setting is recommended for moderate climates. Operates the humidifier when there is a call for heating and humidification. • **Max** setting is recommended for drier climates. Operates the humidifier when there is a call for humidification only. **Dehumidification Control Center** • **Basic** setting is recommended for moderate climates. Operates the dehumidifier when there is a call for cooling and dehumidification. • **Max** setting is recommended for humid climates. Operates the dehumidifier when there is a call for dehumidification only. May cool beyond desired setpoint by 2 degrees. • **Climate IQ®** setting monitors regional weather conditions and automatically removes excess humidity when necessary. Climate IQ® settings are only available for compatible Communicating outdoor units without any optional humidification/ dehumidification equipment installed.
Off (default)			
Humidify	Normal, Max, Dewpoint		
Dehumidify	Normal, Max, Climate IQ® (Auto) Dewpoint (on/off)		
Humidify + Dehumidify			
Humidification Setpoint	15 to 45% relative humidity, adjustable	**40%**	Adjustable sliders allows Dehumidification/ Humidification/Overcooling Setpoint adjustment. Depending on humidity/dehumidity mode settings selected not all settings may be visible.
Dehumidification Setpoint	40 to 60% relative humidity, adjustable	**50%**	
Overcooling Setpoint (Max or Climate IQ® only)	0 to 4°F, adjustable	**2°F**	
Humidification (left slider) + Dehumidification (right slider) Setpoint	15% to 60%, adjustable,	**15%** humidification **40%** dehumidification	

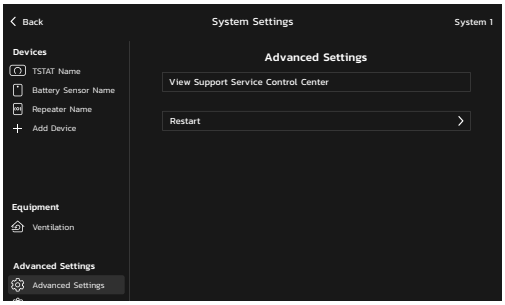
HOMEOWNER SETTINGS

Comfort Sync ZONING SYSTEM ZONING SCREEN (if equipped)	Notes
 System components include the CA4 thermostat, Comfort Sync Zoning Damper Control Module (DCM), individual In-Zone Thermostats and Motorized Dampers.	Touch **Smart Zoning** to display the Smart Zoning Screen. Zoning is only available for systems using the Comfort Sync Zoning System. Single-stage outdoor units can only be used with two equal load zones when using the Comfort Sync Zoning System. Variable capacity and two-stage outdoor units can utilize up to four zones when using the Comfort Sync Zoning System. See Comfort Sync Zoning System Product Specifications for additional information.
Zoning (On/Off) Zone 1 (Primary Zone) Zone 2 Zone 3 Zone 4	Touch any zone name to edit with the keyboard tool (maximum 30 characters).

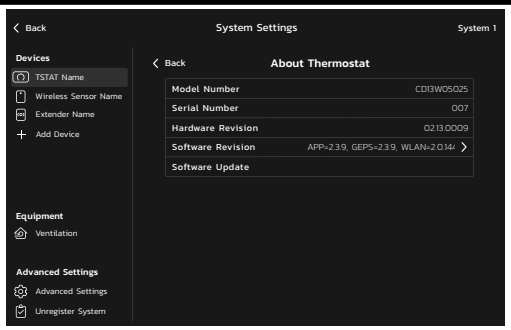
NOTIFICATIONS (REMINDERS) SCREEN	Setting	Default	Notes
			Touch **Notifications** to display the Notifications Screen.
Replace Filter 1 Replace Filter 2 Replace Humidifier Pad Replace UV Lamp Maintenance Reminder Ventilation Maintenance Ventilation Filter	All notifications	**Disabled**	Touch **custom** to access the **Set Date Tool** screen to input custom date settings.
	3, 6, 12, 24 Months or Custom		
	Set for Calendar Time or Run-Time		
	Sensor-Based		

HOMEOWNER SETTINGS

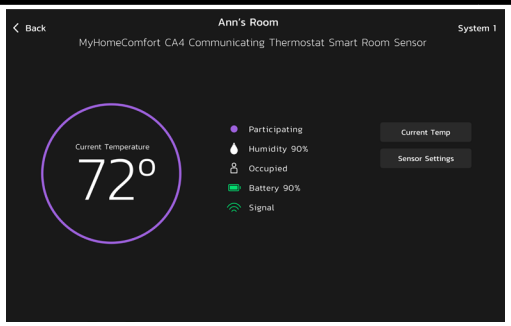
VENTILATION SCREEN	Setting	Notes
		Touch **Ventilation** to display the Ventilation Screen. **Timed** or **ASHRAE** setting allows homeowner to set a predetermined time to operate the Fresh Air Damper or HRV/ERV equipment. Touch the **Ventilate Now** button to set time and start operation. Touch the **Stop Ventilating** button to cancel operation. **On (always)** operates the ventilating unit anytime the system or fan is operating. **Off (always)** disables the ventilating unit anytime the system is operating. If **ASHRAE** is set in the Installer Settings the Fresh Air Damper or HRV/ERV will operate according to ASHRAE 62.2 standard "*Ventilation and Acceptable Indoor Air Quality in Low-Rise Residential Buildings*". See page 44. Optional Equipment Interface Module (EIM) is also required for HRV/ERV integration with the CA4 Thermostat.
Fresh Air Damper/HRV/ERV	Timed or ASHRAE	
	On (always)	
	Off (always)	
	Ventilate Now Button	
	10 Minutes	
	20 Minutes	
	30 Minutes	
	40 Minutes	
	50 Minutes	
	1 Hour	
	1 Hour 30 Minutes	
	Custom	

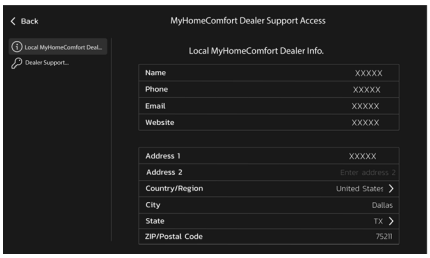
ADVANCED SETTINGS SCREEN		
		Touching View Support Service Control Center displays a warning "The following screens are intended for use by qualified MyHomeComfort equipment installers only." Restart Thermostat restarts the system without affecting settings.
View Support Service Control Center - See page 27		
Restart	Restart Thermostat	
Unregister System		Unlinks the thermostat from the customer's email account. If unregistered the thermostat must be registered to a new or existing account. See the Account Screen on page 23.

HOMEOWNER SETTINGS

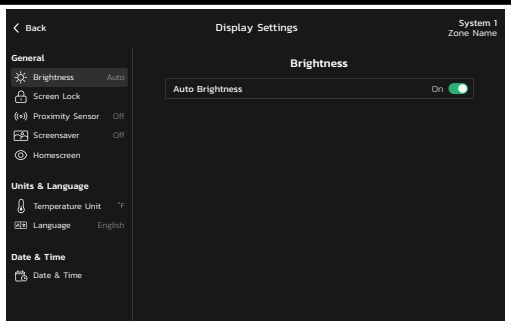
DEVICES SCREEN			Notes
			Touch Thermostat name to edit with the keyboard tool (maximum 30 characters).
Thermostat (name)	Model Number		
	Serial Number		
	Software Revision		
	- Software Revision		
	- Last Updated		
	Control Hardware Revision		
	Software Update		Any software updates will display information about the update.
	- Automatic Updates (on/off)		
	- Check for Updates Now Button		
Wireless Sensor (name)	Sensor	On/Off	Touch Sensor name to edit with the keyboard tool (maximum 30 characters). About Sensor displays Model number, Serial number, Firmware version Touch the Identify Button to make the LED on Sensor flash to identify location
	Sensor Name		
	Device Type	Battery Sensor	
	About Sensor		
	Identify Button		
Extender (name)	Extender Name		Touch Extender name to edit with the keyboard tool (maximum 30 characters). About Repeater displays Model number, Serial number, Firmware version Touch the Identify Button to make the LED on Extender flash to identify location
	Device Type	MyHomeComfort Wireless Extender	
	About Repeater		
	Identify Button		
Add Device			Sensors and Extenders can only be added to the system using the MyHomeComfort App.

HOMEOWNER SETTINGS

SENSOR SCREEN	Notes
	Touch an individual round **Sensor** button on the **My Home** screen to access the screen for a particular area. Any notifications (low battery, poor signal strength, etc.) will be displayed at the bottom of the screen.
Displays sensor participation, current temperature, humidity (%), occupied/ unoccupied mode, sleep mode, battery and signal strength for a specific sensor.	
Current Temp (button)	Displays System Settings/Current Temperature Setting Screen. See page 15.
Device Settings (button)	Displays System Settings/Devices screen. See page 20.

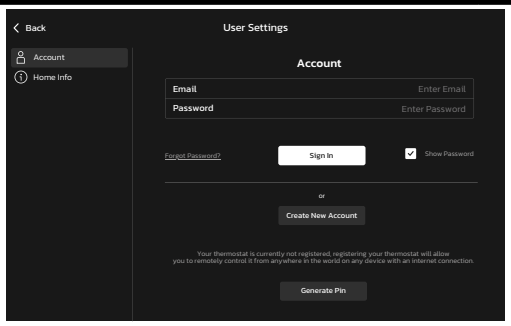
MyHomeComfort DEALER SUPPORT ACCESS SCREEN		Notes
		Input installer information using the keyboard tool. Installer can also input information during installer setup.
Local MyHomeComfort Dealer Info.	Name	
	Phone	
	Email	
	Website	
	Address 1	
	Address 2	
	Country/Region	
	City	
	State	
	Zip/Postal Code	

HOMEOWNER SETTINGS

DISPLAY SETTINGS SCREEN		Notes
		Various settings for the Display.
Brightness	Auto Brightness (on/off)	If **Auto Brightness** is turned off a slider appears to manually adjust the brightness of the display.
Screen Lock (Prevents tampering with thermostat settings)	Unlocked (no security)	Lock icon on Home Screen indicates a locked or partially locked screen. To unlock, touch and hold the lock icon for 5-6 seconds.
	Partially Locked (prevents tampering with the menu settings, setpoints can be adjusted)	
	Locked (prevents tampering with the thermostat)	
Proximity Sensor	On/Off	Proximity sensor turns on the display backlight at a specific distance from the screen.
Screen Saver	Off	**Default** displays the current indoor temperature, outdoor temperature and time and date. **Weather** displays the current weather conditions screen. **Power Save** displays a blank screen until the screen is touched or the proximity sensor is activated. **Photo** allows the homeowner to upload a photo to use as the screensaver in the MyHomeComfort App
	Default	
	Weather	
	Power Save	
	Photo	
Homescreen	Outdoor Temperature Source	Wi-Fi must be enabled to receive weather provider information. The default outdoor temperature is supplied by the Outdoor Air Temperature Sensor or the Wi-Fi data connection. The outdoor sensor is furnished as standard with Communicating outdoor units, optional for conventional outdoor units.
	- Internet (AccuWeather)	
	- Sensor	
	Outdoor Weather (on/off)	
	Indoor Humidity (on/off)	
Temperature Unit	Fahrenheit - °F	- - -
	Celsius - °C	
Language	English (default)	
	French	
	Spanish	
Date & Time	24 Hour Time (12 hour default)	Time, and date can be set using the set time/ date tool. Timezone can be selected on the timezone screen. Setting date and time is disabled if there is a wi-fi connection to the thermostat.
	Daylight Savings (on/off)	
	Time Zone	
	Set Time	
	Set Date	

HOMEOWNER SETTINGS

ACCOUNT SCREEN

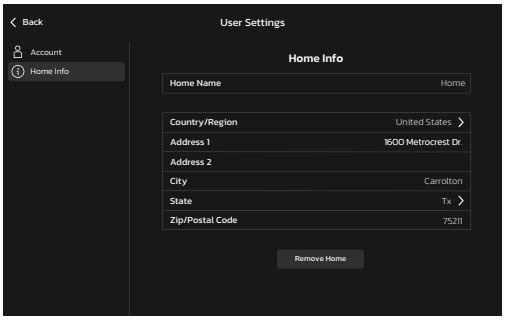


Enter email and password to sign into account, recover a password, create a new account or generate a PIN number to link the CA4 thermostat with the account and the MyHomeComfort App

Homeowner can also sign up to receive Performance Reports via email.

New Account	Enter homeowner's information, email and set password information	Registration is completed on the thermostat after establishing a wireless connection. Generate Pin button allows registration at the Homeowner Remote Access website.
	- Allied Air End License user Agreement (EULA) (checkbox)	
	Create Account Button	
	Generate Pin Button	

HOME INFO SCREEN

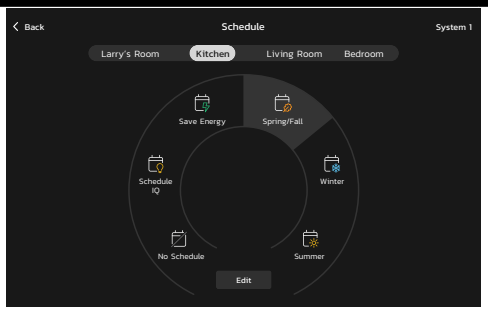


- - -

Home Name	Input home information using the keyboard tool.
Country/Region	
- United States	
- Canada	
- Australia	
Address	
Address 2	
City	
State	
Zip/Postal Code	
Remove Home Button	Remove Home button deletes the information for a home and unregisters all HVAC systems in the home.

HOMEOWNER SETTINGS

SCHEDULE SCREEN



Touch the **Menu** button on the home screen to display the **Schedule** button. Touch the Schedule button to display the screen.

Touch a schedule to run it.

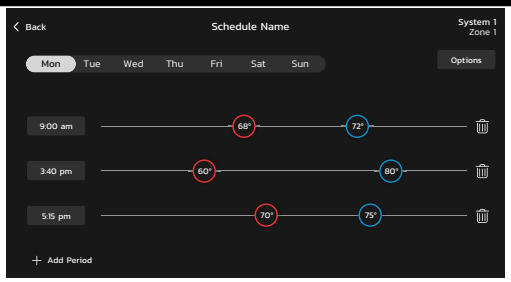
Touch **Edit Button** to change schedule settings.

If the Comfort Sync Zoning System is part of the control system, selectable zone buttons are displayed for each zone's schedule at the top of the screen.

Set schedules for specific times of the year or edit/create custom schedules

Schedule IQ™	**Schedule IQ™** schedule determines when to operate the system based on individual "home day", "home night" and "away" time and temperature settings. Schedule is controlled by the Smart-Away™ proximity sensor (geo-fencing) in the thermostat and the MyHomeComfort App. Multiple Apps on multiple devices can control one system.
Summer	
Winter	
Spring/Fall	
Save Energy	
No Schedule	
Edit Button	

EDIT SCHEDULES SCREEN



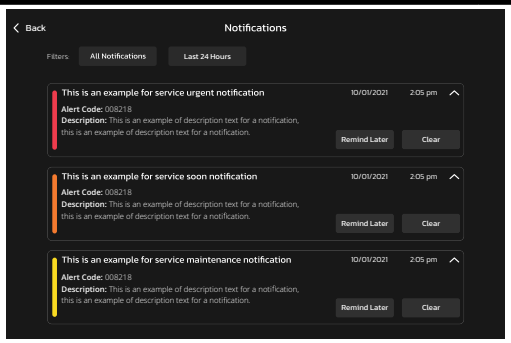
Touch a schedule to edit individual schedules.

Touch the **Back** button to return to the Schedule Screen.

Adjust individual times and temperatures for the day.	Time (Up 4 time periods per day)	Touch each time period to change using the **set time** tool. Touch each time period and select **delete (trash) icon** if you want to remove a time period. You can remove all time periods except one if desired. Touch the + sign if you want to add additional periods (maximum of four).
Individual Sliders to adjust cooling, heating or Perfect Temp temperatures for each time period	Adjustable 60 to 90°F	- - -
Options Button		Rename a schedule with the keyboard tool (maximum 16 characters). When using **individual days** select < or > next to the day to advance to the next day. When using **week/weekend** select < or > next to the days to advance to the next group of days. Using **all days** follows the same schedule for each day.
Schedule Name	Rename a schedule	
Day Grouping	All Days	
	Week/Weekend (Monday-Friday and Saturday-Sunday)	
	Individual Days (Monday, Tuesday, etc.)	
Mode (System Mode)	Heat/Cool	- - -
	Heat Only	
	Cool Only	
Fan	On	- - -
	Auto	
	Circulate	
	Minutes per hour	Slider adjusts circulating time, adjustable from 9 to 27 minutes.

HOMEOWNER SETTINGS

NOTIFICATIONS SCREEN



Alerts homeowner of critical and required service or maintenance issues

Any Notifications will also be displayed over the top-right corner of the Menu Button on the Home Screen and also on the individual icons on the Menu Screen.

Service Urgent (Red Alert) - Displays information that service is required for a major system component as soon as possible

Warnings (Orange Alert) - Displays information about system operation

Reminders (Yellow Alert) - Displays required maintenance information (filter replacement, humidifier pad replacement, UV light replacement)

Info (Blue Alert) - Displays information about Wi-Fi status, new devices found, software updates and additional useful information and tips to operate the system efficiently

Reminders (Yellow Alert) may include additional information such as the model number, order number, filter size, etc. for a replacement item.

Reminders can be cleared or a “remind later” setting can be set (1 day. 1 week, 1 month, 3 months or custom).

All - Displays all notifications

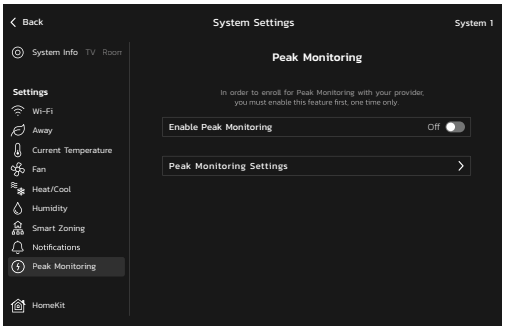
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Filter Notifications by a specific time

- All Notifications
- Last 24 Hours
- Last 30 Days
- Last 12 Months

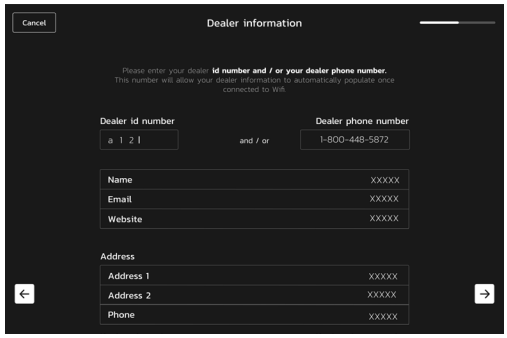
Touch **custom** to access the **Set Date Tool** screen to input a custom date reminder.

HOMEOWNER SETTINGS

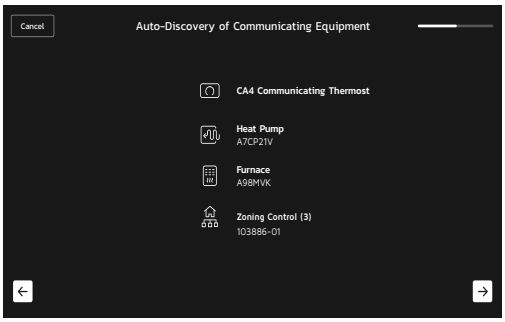
PEAK MONITORING (ENERGY SAVINGS)		Notes
 Energy Savings feature (Title 24) is currently a requirement for the State of California. AHRI 1380 is an industry standard that defines demand response functionality for thermostats used with residential and light-commercial HVAC systems. For communicating, variable-speed thermostat applications, compliance is achieved through thermostat-initiated, temporary operational adjustments such as setpoint and system capacity curtailment or modulation – during utility-initiated Demand Response (DR) events. An icon on the home screen will indicate when the system is in an active energy savings event.		See the MyHomeComfort CA4 Communicating Thermostat User Guide for additional information about enrolling in the Energy Savings program and thermostat settings available. Peak Monitoring features are relevant when thermostat is enrolled in a participating utility or energy provider program.
ENERGY SAVINGS ENROLLMENT		
Enrollment is a two-step process for consumers	1. Homeowner registers with their utility provider before the thermostat settings can be enabled to take advantage of the Energy Savings feature 2. Enable energy saving settings on the thermostat	---
ENERGY SAVING SETTINGS		
Peak Loading Event Active Setpoints:	Default (heat 60ºF, cool 82ºF)	An energy saving event can be canceled when any of the following occur: Adjusting the temperature setpoint manually Selecting a schedule Changing the mode of operations Manually canceling the event from the home screen indicator Custom Setpoints displays a slider to adjust manually.
	Offset (default is +/- 4 ºF)	
	Custom Setpoints	
	Peak Price Event Threshold	
	Factory Reset Peak Monitoring Settings	
Peak Price Event Active Setpoints:	Default (heat 60ºF, cool 82ºF)	
	Offset	
	Custom Setpoints	
	Peak Monitoring Events Filter	
	Factory Reset Peak Monitoring Settings(resets all parameters to factory settings and cancels enrollment)	

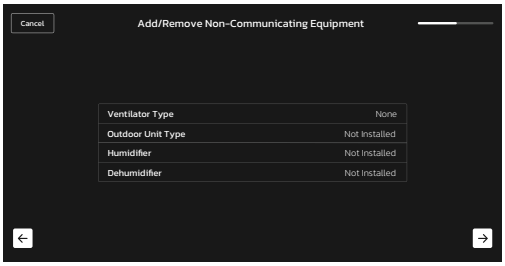
INSTALLER SETTINGS (SUPPORT SERVICE CONTROL CENTER)

COMMISSIONING		Notes
	After power is applied to the thermostat for the first time, it displays the “splash” screen” and checks the system for installed communicating devices. During the commissioning process, alerts may be displayed to inform the installer of any information that affects the setup process.	- - -
Welcome	Select language	- - -
	English, Français, Español	
Choose Setup Route	Setup through the thermostat	- - -
	Setup through the Mobile App (MyHomeComfort App)	

DEALER INFORMATION SCREEN		Notes
	Dealer inputs their dealer number and/ or phone number. Once the thermostat is connected to a Wi-Fi network the rest of the information will be automatically populated.	Installer can also use the keyboard tool to manually input dealer information before a wireless connection is established. A progress bar in the upper right of the screen shows the amount of the setup process completed.
General Settings	Country/Region	Use pop-up screens to select country/region, date, time and time zone.
	Date and Time	
	- Date	
	- Time	
	- Time Zone	
	- Daylight Savings / On/Off	- - -
	Units	Use pop-up screens to select temperature unit and unit system.
	Temperature Unit / Fahrenheit/Celsius	
	Unit System / Imperial/Metric	

INSTALLER SETTINGS (SUPPORT SERVICE CONTROL CENTER)

AUTO-DISCOVERY OF COMMUNICATING EQUIPMENT SCREEN		Notes
	A listing of the Communicating equipment discovered during the system set-up.	If an Equipment Interface Module (EIM) is part of the system and configured as either a furnace or air handler, the indoor unit will appear as EIM-Furnace or EIM-Air Handler. When using an EIM the outdoor unit may be either a compatible Communicating Product or any standard non-communicating outdoor unit. Touch the right arrow icon to add non-communicating equipment. After non-communicating equipment has been added it will also appear on the screen.

ADD / REMOVE EQUIPMENT SCREEN	Setting	Default	Notes
	Add non-communicating equipment to the system to be controlled by the thermostat		Outdoor Unit Type selection only appears if a communicating outdoor unit is not detected during setup.
Ventilator Type	None Fresh Air Damper 1 Speed HRV 2 Speed HRV 1 Speed ERV 2 Speed ERV		- - -
Outdoor Unit Type	Not Installed 1 Stage AC Unit 2 Stage AC Unit 1 Stage HP Unit 2 Stage HP Unit		Outdoor Unit Type selection only appears if a communicating outdoor unit is not detected during setup.
Outdoor Unit Capacity	18 to 60 kBtuh	**36 kBtuh**	If Outdoor Unit is non-communicating type, screen will display the above parameters to set.
Outdoor Unit 1st Stage Capacity	30 to 100 kBtuh	**70 kBtuh**	
Humidifier	Not Installed Bypass (24VAC) Humidifier Power (120VAC) Humidifier Bypass and Power Humidifier		- - -
Dehumidifier	Not Installed Humiditrol Auxiliary Dehumidifier		- - -
Comfort Sync Zoning System	Name the individual zones using the keyboard tool		Touch any zone name to edit with the keyboard tool (maximum 30 characters). Common preset zone names (primary bedroom, guest bedroom, living room, dining room, etc.) are also available to use.

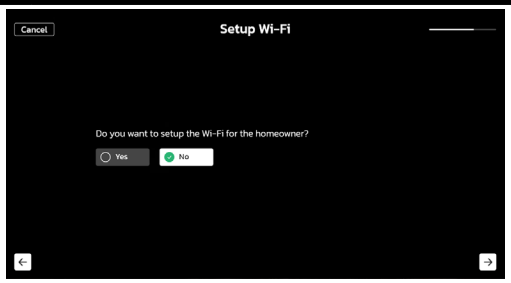
INSTALLER SETTINGS (SUPPORT SERVICE CONTROL CENTER)

AIRFLOW PER ZONE SCREEN



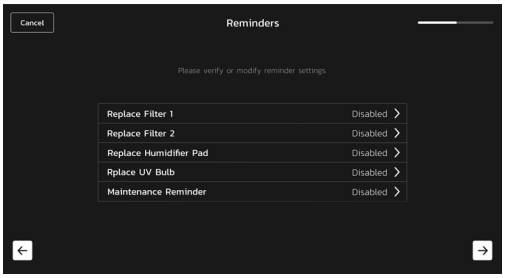
Set blower settings for each zone	Total Blower Circulation Airflow is shown for reference on the left side of the screen (based on unit size and settings).
Blower Circulation Airflow (gray)	Touch the arrow next to each zone to adjust the individual airflows. Use the plus and minus buttons to adjust airflow in 5 cfm increments.
Heating Circulation Airflow (red)	
Cooling Circulation Airflow (blue)	

SETUP WI-FI SCREEN



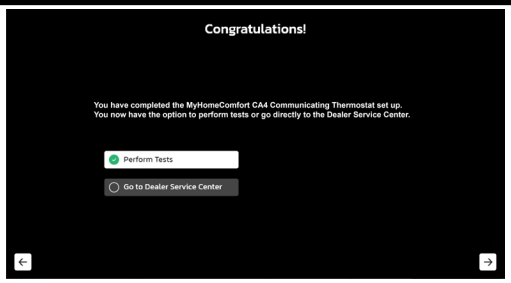
		Notes
Setup Wi-Fi for the homeowner?	Yes/No	Touch a particular network ID to connect to that network. Touch the arrow to enter the password for the selected network. or: Touch the **>** for additional information about a particular network (name, SSID, security, RSSI, etc.). Touch the **Join the network** button to enter password for that network.

REMINDERS SCREEN



Setting	Default	Notes
Set reminders for maintenance items. Replace Filter 1 Replace Filter 2 Replace Humidifier Pad Replace UV Bulb		- - -
Maintenance Reminder Settings		
Calendar Time	**Disabled**	Touch **Custom** to access the **Set Date Tool** screen to input custom date settings.
Disabled		
3, 6, 12, 24 Months		
Custom date		
Run-Time		
System Name	Name the system using the keyboard tool	- - -

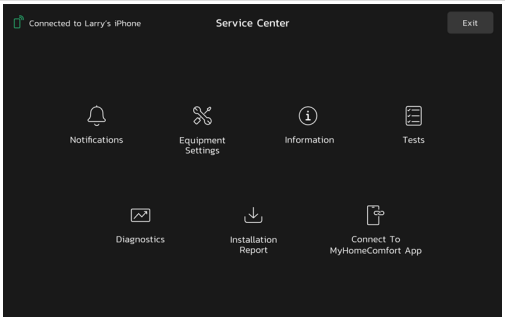
CONGRATULATIONS SCREEN



Setting	Default	Notes
MyHomeComfort set up is complete	Perform Tests	See page 42.
	Go to Dealer Service Center	See page 30.

INSTALLER SETTINGS (SUPPORT SERVICE CONTROL CENTER)

DEALER SERVICE CENTER SCREEN

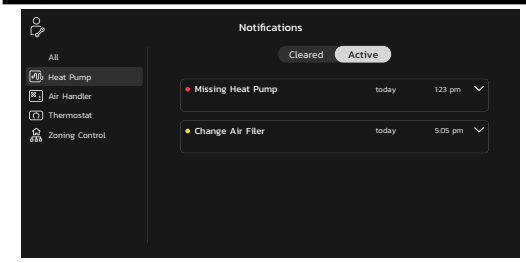


Provides access to the installer for viewing and performing various functions.

- Notifications
- Equipment Settings
- Information
- Tests
- Diagnostics
- Installation Report
- Connect to MyHomeComfort App

The Service Center can also be accessed from the Home Screen under the Menu Button > Settings > Advanced Settings > View Support Service Control Center.

NOTIFICATIONS SCREEN



Provides information for active and previous notifications. When selecting either a cleared or active notification a brief description and alert code will be displayed.

Notifications are color-coded to display - Urgent (red), Service Soon (orange) and maintenance (yellow)

Notifications are categorized by the CA4 thermostat, Air Handler or Furnace, Air Conditioner or Heat Pump and Zoning Control (if installed).

To expand a notification for more details of the alert code, touch the down arrow to expand the description.

Touch the **Cleared button** to move the notification to the cleared area.

INSTALLER SETTINGS (SUPPORT SERVICE CONTROL CENTER)

EQUIPMENT (Thermostat)		Setting	Default	Notes
About		Product Type		Equipment specifications.
		Language Support		
		Equipment Type Name		
		Control Software Revision		
		Control Model Number		
		Control Serial Number		
		Control Hardware Revision		
		Protocol Revision Number		
		Device Product Level		
		24VAC Average Power Consumption		
		24VAC Peak Power Consumption		
		Compatible Devices List		
		Application Code memory Size		
		Microcontroller Part Number		
		MAC Address		
Adjust Settings		Thermostat Name		Use the keyboard tool to manually input this information.
		Temp Reading Calibration (–5 to 5°F)	**0°F**	- - -
		Humidity Reading Calibration (–10 to 10% RH)	**0%**	
		Smooth Setback Recovery (Enabled/ Disabled)		
A7AC22, A7CP21V & A7HP19V	Electric Heat Control Mode (Air Handler)	Standard		- - -
		Evenheat		
	Evenheat Discharge Temperature (Air Handler)	85 to 130°F	**85°F**	- - -
A98MVK	Gas Heat Control Mode	Staged		- - -
		Load Tracking Variable Capacity		
		Variable Capacity		
Staged	Number of Gas Heating Stages	1, 2, 3, 4	**4**	- - -
Load Track. Var. Capacity.	Modulating Gas Heating Steady State PI Gain	Less Aggressive		- - -
		Standard		
		More Aggressive		
	Modulating Gas Heating Step Change PI Gain	Less Aggressive		- - -
		Standard		
		More Aggressive		
	Modulating Gas Heating Cycles Per Hour	4.0 to 10.0	**6.0**	- - -
Dual Fuel	Minimum Gas Heating Off Time	1.5 to 10 min.	**1.5 min.**	- - -

INSTALLER SETTINGS (SUPPORT SERVICE CONTROL CENTER)

EQUIPMENT (Thermostat)		Setting	Default	Notes
Two-Stage Systems	Cooling Mode	Normal		**Normal** - 2nd stage is locked in until the demand is satisfied.
		Comfort		**Comfort** - 2nd stage is energized or de-energized based on demand to maintain comfort.
Modulating Systems	Modulating Cooling Steady State PI Gain	Less Aggressive		- - -
		More Aggressive		
		Standard		
	Modulating Cooling Step Change PI Gain	Less Aggressive		
		More Aggressive		
		Standard		
	Modulating Cooling Cycles Per Hour	3.0 to 6.0	**4.0**	
Modulating Systems (HP)	Modulating HP Steady State PI Gain	Less Aggressive		- - -
		More Aggressive		
		Standard		
	Modulating HP Step Change PI Gain	Less Aggressive		- - -
		More Aggressive		
		Standard		
	Modulating HP Heating Cycles Per Hour	3.0 to 6.0	**4.0**	- - -
	Modulating HP Electric Heating Switching Point	0.0 to 2.0	**1.0**	
Air Handler	Aux Heating Activation Threshold	0 to 10°F	**2.5°F**	- - -
	Electric Heating Activation Hold Time	0 to 60 min.	**10 min.**	- - -
DAT Offset		–5 to 5°F	**0°F**	- - -
DAT Proportional Gain		10 to 15°F	**3°F**	- - -
DAT Integral Gain		10 to 15°F	**3°F**	- - -
Temperature Control Mode (for Perfect Temp)		Normal, Comfort		**Normal** - Perfect Temp (single setpoint) is off. **Comfort** - Perfect Temp (single setpoint) is on.
Wall Insulation		Poor, Average, Good	**Good**	
Single Setpoint Mode		Enabled/Disabled		Single Setpoint Mode is the same as **Perfect Temp** on the User Screen (Heat & Cool). For non-zoning systems only. Allows homeowner to set only one temperature setpoint for heating and cooling.
- SSP Heating Cancel Coast Increment Slope		0.0 to 0.75°F	**0.25°F**	
- SSP Heating Cancel Coast Decrement Slope		0.25 to 2.0°F	**0.5°F**	
- SSP Cooling Cancel Counter Increment Slope		–0.75 to 0.0°F	**–0.25°F**	
- SSP Cooling Cancel Counter Decrement Slope		–2.0 to –0.25°F	**–0.5°F**	
- SSP Heating Lockout Outdoor Temp		50.0 to 80.0°F	**70°F**	
- SSP Cooling Lockout Outdoor Temp		30.0 to 60.0°F	**40°F**	
Auto Changeover – Temp Deadband		3 to 9°F	**3°F**	- - -
Max. Heat Setpoint		40 to 90°F	**90°F**	- - -
Min. Cool Setpoint		60 to 99°F	**60°F**	- - -
Heat Cool Stages Locked In		Enabled/Disabled		- - -
1st Stage Differential		0.5 to 3.0°F	**1.0°F**	- - -
2nd through 5th Stage Differential		0.5 to 8.0°F	**0.5°F**	- - -

INSTALLER SETTINGS (SUPPORT SERVICE CONTROL CENTER)

	EQUIPMENT (Thermostat)	Setting	Default	Notes
	Staged Delay Timers	Enabled/Disabled		Number of heating stages shown depends on equipment installed. Electric heat is staged at every 2 elements.
	2nd through 6th Stage Delay (5 min. increments)	5 to 120 min.	**20 min.**	
XP21	Lock In 2nd Stage HP by Outdoor Temp	off, 40°F (4°C), 45°C (7°C), 50°F (10°C), 55°F (13°C)		- - -
HEAT PUMP	Balance Point Control	Enabled/Disabled		- - -
HEAT PUMP	High Balance Point	–17 to 75°F	**50°F**	- - -
HEAT PUMP	Low Balance Point	–20 to 72°F	**25°F**	- - -
HEAT PUMP	Electric Heat Stages During Defrost	0 to 5	**2**	- - -
	Min Dehumidification Setpoint	40 to 60°F,	**40°F**	- - -
Humiditrol	Humiditrol Comfort Adjust	Maximum, Midpoint or Minimum Overcooling		- - -
Humidifier	Humidification Control Mode	Display Only, Precision, Precision Dew Point Control, Basic, Basic Dew Point Control		- - -
Humidifier	- Dew Point Adjustment	–15 to 15°F	**0**	- - -
Humidifier	Max. Humidification Setpoint	15 to 45% RH	**45%**	- - -
Humidifier	Auto Changeover Humidification Deadband	5 to 10% RH	**5%**	- - -
	Outdoor Temperature Reading Calibration	–10 to 10°F	**0°F**	- - -
	Auto Dehumidification Overcooling Threshold	0 to 10°F	**4°F**	- - -
	Severe Weather Protection	Enabled/Disabled		- - -
	Freezing Alert Temperature	30 to 50°F	**40°F**	- - -
Zoning	Zoning Gas Heating DAT Cooldown target	80 to 90°F	**85°F**	- - -
Zoning	Zoning Anticipated Discharge Air Temperature Adjustment	0 to 120 seconds	**60 seconds**	- - -
Zoning	Zoning Target Supply Air Temp for Cooling	40 to 60°F	**45°F**	- - -
Zoning	Zoning Target Supply Air Temp for Gas/ Electric Heating	100 to 130°F	**110°F**	- - -
Zoning	Zoning Target Supply Air Temp for HP Heating	85 to 110°F	**90°F**	- - -
Zoning	Zoning Supply Air Temp Limit for Cooling	35 to 45°F	**40°F**	- - -
Zoning	Zoning Supply Air Temp Limit for Gas/Electric Heating	140 to 160°F	**140°F**	- - -
Humiditrol	Humiditrol and Auxiliary Dehumidifier Minimum Run-Time	5 to 30 min.	**15 min.**	- - -
Dual Fuel	HP Heating Lockout Time	60 to 240 min.	**120 min.**	- - -
Zoning	Zoning Minimum Zone Run Time	90 to 600 sec.	**120 sec.**	- - -
Zoning	Zone 1 through 4 First Stage Differential	0.5 to 3.0°F	**1.0°F**	- - -

INSTALLER SETTINGS (SUPPORT SERVICE CONTROL CENTER)

EQUIPMENT (Thermostat)	Setting	Default	Notes
Smart Alert Enable	On/Off	**On**	Smart Alert monitors the following conditions: - Thermostat setpoint. - Temperature readings. - If the temperature is moving away from setpoint or toward setpoint. - Local climate design temperatures. - System run times. *NOTE - Not available with Zoning.* Depending on type of system (conventional heating/cooling or heat pump system) and optional equipment not all system settings will be displayed.
Cooling Capacity Alert	On/Off	**On**	- - -
Ventilation Control Mode	- - -		See table on page 44 for Fresh Air Damper, HRV and ERV settings.
Screen Locked (Prevents tampering with thermostat settings)	Unlocked (no security)		- - -
	Partially Locked (prevents tampering with the menu settings, setpoints can be adjusted)		
	Locked (prevents tampering with the thermostat)		
Display Outdoor Weather	On/Off		- - -
Outdoor Temperature Source	Off		- - -
	Internet		
	Sensor		
Display Indoor Humidity	On/Off		- - -
Screen Saver	On/Off	**Off**	**Weather** displays the current weather conditions screen. **Power Save** displays a blank screen until the screen is touched or the proximity sensor is activated.
	Weather		
	Power Save		
	Logo		
Auto Brightness	On/Off		If **Auto Brightness** is turned off a slider appears to manually adjust the brightness of the display.
Brightness Value	10 to 100%	**80%**	- - -
Proximity Control	On/Off		Proximity sensor turns on the display backlight at a specific distance.
Wide Setpoint	On/Off		- - -
Group ID	0 to 8 groups	**1**	Group ID is used to group two or more thermostats in the same home to allow communication between them.
Reset Thermostat (button)	Reset to factory default settings		- - -

INSTALLER SETTINGS (SUPPORT SERVICE CONTROL CENTER)

EQUIPMENT (Air Conditioner/Heat Pump)	Setting	Default	Notes
About	Language Support		
	Equipment Type Name		
	Unit Model Number		
	Unit Serial Number		
	Unit Nominal Capacity		
	Number of Heating Stages (Heat Pump)		
	Number of Cooling Stages		
	Heating Capacity by Stage (Heat Pump)		
	Cooling Capacity by Stage		
	Control Software Revision		
	Control Model Number		
	Control Serial Number		
	Control Hardware Revision		
	Outdoor Air Temp Sensor		
	Operating Temperature Limits		Equipment specifications.
	Protocol Revision Number		
	Device Product Level		
	24VAC Average Power Consumption		
	24VAC Peak Power Consumption		
	Line Voltage Average Power Consumption		
	Line Voltage Peak Power Consumption		
	Outdoor Fan RPM Profile (single stage)		
	OD Inverter Model Number (modulating)		
	OD Inverter FW Revision (modulating)		
	Unit Code		
	Compatible Devices List		
	Application Code Memory Size		
	Microcontroller Part Number		
Adjust Settings	Air Conditioner/Heat Pump Name		Use the keyboard tool to manually input this information.
	Compressor Short Cycle Delay (60 to 300 sec)	**300 sec.**	- - -
	Defrost Termination Temp (Heat Pump only) (50 to 100°F)	**50°F**	- - -
	Automatic Max Defrost (Heat Pump only) (On/Off)	**Off**	- - -
	Max Defrost by Weather (Heat Pump only) (On/Off)	**Off**	Max Defrost by Weather uses the default Internet weather source to determine when a defrost cycle is required..
Compressor Shift Delay (Heat Pump only)	On/Off	**On**	- - -

INSTALLER SETTINGS (SUPPORT SERVICE CONTROL CENTER)

EQUIPMENT (Air Conditioner/Heat Pump)		Setting	Default	Notes
Modulating Systems	High Normal Cooling Airflow	450 to 2000 cfm	**1800 cfm**	- - -
	Low Normal Cooling Airflow	450 to 2000 cfm	**900 cfm**	- - -
	High Normal HP Heating Airflow	450 to 2000 cfm	**1806 cfm**	- - -
	Low Normal HP Heating Airflow	450 to 2000 cfm	**1150 cfm**	- - -
	Dehum Airflow Adjustment Adder	0 to 30°F	**0°F**	- - -
Two-Stage (HP)	Fan Cycling	On/Off	**Off**	- - -
Reset Air Conditioner / Heat Pump (button)		Reset to factory default settings		- - -

INSTALLER SETTINGS (SUPPORT SERVICE CONTROL CENTER)

EQUIPMENT (Furnace)		Setting	Default	Notes
About		Unit Code		
		Language Support		
		Equipment Type Name		
		Unit Model Number		
		Unit Serial Number		
		Unit Nominal Capacity		
		Number of Heating Stages		
		Heating Capacity by Stage		
		Indoor Blower CFM Range		
		Control Software Revision		
		Control Model Number		
		Control Serial Number		
		Control Hardware Revision		Equipment specifications.
		Discharge Air Temp Sensor		
		Outdoor Air Temp Sensor		
		Protocol Revision Number		
		Device Product Level		
		Factory Installed Transformer		
		24VAC Average Power Consumption		
		24VAC Peak Power Consumption		
		Line Voltage Average Power Consumption		
		Line Voltage Peak Power Consumption		
		Compatible Devices List		
		Application Code Memory Size		
		Microcontroller Part Number		
Adjust Settings		Furnace Name		Use the keyboard tool to manually input this information.
A802V(K), A98MV(K) & A97MV(K)	Low Cooling Airflow	450 to 2000 cfm	**1400 cfm**	- - -
	High Cooling Airflow	450 to 2000 cfm	**2000 cfm**	- - -
	Airflow Profile - Cooling	A - On (50% for 30 sec., 82% for 7.5 Minutes; Off (50% for 30 sec. delay) B - On (82% for 7.5 Minutes); Off (No delays) C - On (100%) (No delays); OFF (60 sec. delay) D - On (100%) (No delays)	**A**	- - -
Continuous Indoor Blower Airflow		450 to 2000 cfm	**760 cfm**	- - -
Dehumidification Airflow %		60 to 80%	**70%**	- - -

INSTALLER SETTINGS (SUPPORT SERVICE CONTROL CENTER)

EQUIPMENT (Furnace)		Setting	Default	Notes
Delay Settings		Heating Indoor Blower OFF (60 to 180 sec., default is dependent on DIP switch setting in non-communicating furnace)		- - -
		Heating Indoor Blower ON (15 to 45 sec., default is 30 sec.)		
A802V(K), A98MV(K) & A97MV(K)	Cooling Indoor Blower OFF	0 to 30 sec.	**0 sec.**	- - -
	Cooling Indoor Blower ON	0 to 10 sec.	**2 sec.**	- - -
Heating Airflow Control Type		Fixed CFM		- - -
		Fixed DAT		
With Fixed CFM:		- - -		All furnace default airflow settings are dependent on furnace capacity.
- Low Heating Airflow		500 to 700 cfm	**492 cfm**	
- High Heating Airflow		1150 to 1575 cfm	**1403 cfm**	
With Discharge Air Temperature (DAT):		- - -		Selections available if Discharge Air Temperature Sensor is installed.
- Low Heating Discharge Air Temperature		110 to 140°F	**125°F**	
- High Heating Discharge Air Temperature		120 to 150°F	**135°F**	
Reset Furnace (button)		Reset to factory default settings		- - -

INSTALLER SETTINGS (SUPPORT SERVICE CONTROL CENTER)

EQUIPMENT (Air Handler)		Setting	Default	Notes
About		Unit Code		
		Language Support		
		Equipment Type Name		
		Unit Model Number		
		Unit Serial Number		
		Unit Nominal Capacity		
		Number of Heating Stages		
		Heating Capacity by Stage		
		Indoor Blower CFM Range		
		Control Software Revision		
		Control Model Number		
		Control Serial Number		
		Control Hardware Revision		Equipment specifications.
		Discharge Air Temp Sensor		
		Outdoor Air Temp Sensor		
		Protocol Revision Number		
		Device Product Level		
		Factory Installed Transformer		
		24VAC Average Power Consumption		
		24VAC Peak Power Consumption		
		Line Voltage Average Power Consumption		
		Line Voltage Peak Power Consumption		
		Compatible Devices List		
		Application Code Memory Size		
		Microcontroller Part Number		
Adjust Settings		Air Handler Name		Use the keyboard tool to manually input this information.
Electric Heating Airflow		1560 to 2150 cfm	**2005 cfm**	- - -
Two-Stage (AC/HP)	Low Cooling Airflow	450 to 2150 cfm	**1260 cfm**	- - -
	High Cooling Airflow	450 to 2150 cfm	**2000 cfm**	- - -
	Airflow Profile - Cooling	1 - No Delays 2 - (Cooling) - On (No delays); Off (45 sec. delay) 2 - (Heat Pump) On (82% for 7.5 min.); Off (No delays) 3 - On (50% for 30 sec., 82% for 7.5 min.); Off (50% for 30 sec.)	**1**	- - -
Two-Stage (HP)	Low HP Airflow	450 to 600 cfm	**450 cfm**	All airflow parameters are determined by settings in communicating equipment and are dependent on the capacity of the unit.
	High HP Airflow	800 to 1100 cfm	**975 cfm**	
Continuous Indoor Blower Airflow		450 to 2150 cfm	**800 cfm**	
Humidification Airflow (Humidifier)		250 to 1150 cfm	**450 cfm**	
Dehumidification Airflow % (Dehumidifier)		60 to 80%	**70%**	Dehumidification Airflow is 60 to 80% reduction of the High Cooling Airflow parameter.

INSTALLER SETTINGS (SUPPORT SERVICE CONTROL CENTER)

EQUIPMENT (Air Handler)	Setting	Default	Notes
Heating Indoor Blower OFF Delay	0 to 10 sec.	**10 sec.**	
Heating Indoor Blower ON Delay	0 to 5 sec.	**0 sec.**	
Cooling Indoor Blower OFF Delay	0 to 30 sec.	**0 sec.**	
Cooling Indoor Blower ON Delay	0 to 10 sec.	**2 sec.**	
HP Indoor Blower OFF Delay	0 to 60 sec.	**45 sec.**	
HP Indoor Blower ON Delay	0 to 30 sec.	**0 sec.**	
Reset Air Handler	Reset to factory default settings		
SENSORS			**Notes**
MyHomeComfort Smart Room Sensor	Sensor Name		Use the keyboard tool to manually input this information.
	Device Type		- - -
	Battery (strength)		
	RSSI Signal Strength		
	Model Number		
	Serial Number		
	Firmware Version		
MyHomeComfort Wireless Extender	Extender Name		Use the keyboard tool to manually input this information.
	Device Type		- - -
	RSSI Signal Strength		
	Model Number		
	Serial Number		
	Firmware Version		

INSTALLER SETTINGS (SUPPORT SERVICE CONTROL CENTER)

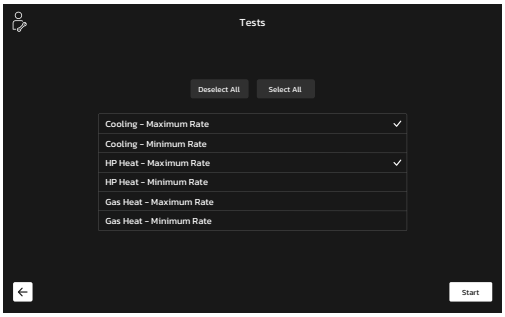
EQUIPMENT (Zoning Control)	Setting	Default	Notes
About	Unit Code		
	Language Support		
	Equipment Type Name		
	Control Software Revision		
	Control Model Number		
	Control Serial Number		
	Control Hardware Revision		
	Protocol Revision Number		
	Device Product Level		Equipment specifications.
	24VAC Average Power Consumption		
	24VAC Peak Power Consumption		
	Compatible Devices List		
	Application Code Memory Size		
	Microcontroller Part Number		
	Maximum Number of Zones		
	Supported Damper Types		
	Number of Damper Positions		
	Zone Temp Sensor - 1 through 4		
Adjust Settings	Equipment Name		Use the keyboard tool to manually input this information.
Zone 1 Temperature Reading Calibration	–5 to 5°F	**0°F**	- - -
Zone 2 Temperature Reading Calibration	–5 to 5°F	**0°F**	
Zone 3 Temperature Reading Calibration	–5 to 5°F	**0°F**	
Zone 4 Temperature Reading Calibration	–5 to 5°F	**0°F**	
Reset Zoning Control (button)	Reset to factory default settings		- - -

INSTALLER SETTINGS (SUPPORT SERVICE CONTROL CENTER)

INFORMATION SCREEN

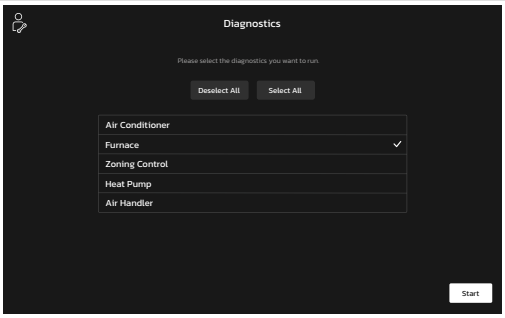
Dealer Information Screen	See page 27.

TESTS SCREEN

	Allows the installer to test any compatible Communicating products in the system for a wide variety of conditions. Automated or Manual Tests can be run.	Automated Tests check all communicating equipment parameters that are available from sensors in the equipment. Manual Tests check all relays, outdoor and discharge air sensors, blower amp draw and air duct static pressure.
Airflow Per Zone (if Smart Zoning is installed)	See the Airflow Per Zone screen on page 29.	If Comfort Sync Zoning System is installed Airflow Per Zone setting screen is displayed prior to testing. Touch the arrow on the lower-right to continue.
Select Test	Deselect All	Touch each test parameter to select or deselect before running. A checkmark appears if selected. Touch **Start button** to start testing. Touch **Skip button** to move to the next test in the list (automated testing only). Touch **Cancel button** to cancel all tests. Touch **Done button** to return to the main Tests screen. Individual equipment test results are displayed on the right as each test is completed. A progress bar in the upper right of the screen displays the test number that is running and the percentage of testing.
	Select All	

INSTALLER SETTINGS (SUPPORT SERVICE CONTROL CENTER)

DIAGNOSTICS SCREEN



Allows the installer to test any compatible Communicating products in the system for a wide variety of conditions.

- Tests all relays, outdoor and discharge air sensors.

Select Diagnostics

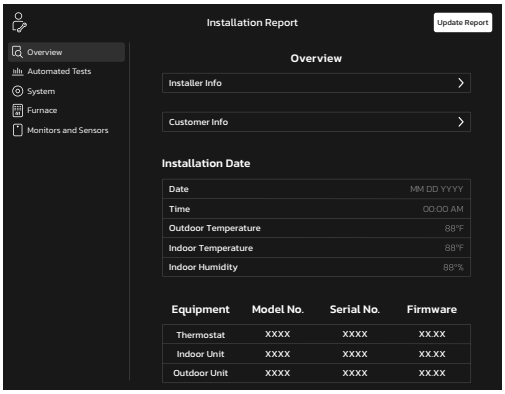
Deselect All

Select All

- Touch each unit to select or deselect before running. A checkmark appears if selected.
- Touch **Start button** to start testing.

  Touch **Stop button** to cancel all tests.
- Individual equipment test results are displayed on the right as each test is completed.

INSTALLATION REPORT SCREEN



Displays Installer and Customer information along with various parameters and settings for the system, outdoor equipment and indoor equipment at the time of installation.

- Installation report is based on various settings that were configured in the Equipment screens previously.
- Only certain parameters are displayed depending on the type of system installed (air conditioner, heat pump, dual-fuel).
- Touch the different buttons on the left side of the screen to view the individual information screens.

FRESH AIR INSTALLER SETTINGS

NOTE - EQUIPMENT INTERFACE MODULE (EIM) IS REQUIRED FOR HRV/ERV INTEGRATION

FRESH AIR DAMPER / HRV / ERV	Ventilation Control Mode	Fresh Air Damper	1 Stage HRV	2 Stage HRV	1 Stage ERV	2 Stage ERV
	Timed					
	Ventilation Minutes Per Hour (*0 to 60 min., default is 20 min.*)	X	X	X	X	X
	Ventilation Rate (*20 to 500 cfm, default is 130 cfm*)	- - -	X	- - -	X	- - -
	Ventilation Rate for Low Speed (*10 to 200 cfm, default is 50 cfm*)	- - -	- - -	X	- - -	X
	Ventilation Rate for High Speed (*20 to 500 cfm, default is 130 cfm*)	- - -	- - -	X	- - -	X
	Ventilation High Outdoor Temperature Limit (*60 to 115°F, default is 100°F*)	X	X	X	X	X
	Ventilation Low Outdoor Temperature Limit (*–20 to 55°F, default is 0°F*)	X	X	X	X	X
	Ventilation High Outdoor Dew Point Limit (*45 to 80°F, default is 55°F*)	X	X	X	X	X
	ASHRAE (62.2)					
	Ventilation Rate (*20 to 500 cfm, default is 130 cfm*)	- - -	X	- - -	X	- - -
	Ventilation Rate for Low Speed (*10 to 200 cfm, default is 50 cfm*)	- - -	- - -	X	- - -	X
	Ventilation Rate for High Speed (*20 to 500 cfm, default is 130 cfm*)	- - -	- - -	X	- - -	X
	ASHRAE Compliance Check	NO	YES	YES	YES	YES
	ASHRAE Infiltration Credit (*0 to 200 cfm, default is 0 cfm*)	X	X	X	X	X
	ASHRAE House Floor Area Serviced by this Ventilator	X	X	X	X	X
	ASHRAE Number of Bedrooms	X	X	X	X	X
	Ventilation Outdoor Condition Override - Enabled					
	Ventilation High Outdoor Temperature Limit (*60 to 115°F, default is 100°F*)	X	X	X	X	X
	Ventilation Low Outdoor Temperature Limit (*–20 to 55°F, default is 0°F*)	X	X	X	X	X
	Ventilation High Outdoor Dew Point Limit (*45 to 80°F, default is 55°F*)	X	X	X	X	X

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Contact us at 1-800-448-5872

NOTE - Due to our ongoing commitment to quality, Specifications, Ratings and Dimensions subject to change without notice and without incurring liability.
Improper installation, adjustment, alteration, service or maintenance can cause property damage or personal injury.
Installation and service must be performed by a qualified installer and servicing agency.

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