

NUVE CWA INSTALLATION GUIDE

The C Wire Adapter allows for the installation of Nuve thermostat in homes without a C-wire, which is needed to power the thermostat. The CWA essentially creates a C-wire connection by combining the functionality of the existing Y and G wires.

Installing the Nuve C-Wire Adapter (CWA)

Power Down

Turn off power to the furnace or air handler at the breaker to ensure safety during installation.

Access the Control Board

Open the furnace or air handler's control panel to locate the control board and thermostat wiring.

Identify and Label Wires

Take a clear photo of the existing wiring for reference. Use wire labels (if available) to identify the R, G, Y, and W wires. Ignore any unused wires.

Disconnect Wires

Remove the **R**, **G**, **Y**, and **W** wires from the control board terminals. Do not disconnect any other wires.

Connect Wires to CWA

Connect the disconnected wires (R, G, Y, and W) to the corresponding input terminals on the **Nuve C-Wire Adapter (CWA)**. See the Wiring Diagram for more details

- R wire to **R Terminal**
- G wire to **C Terminal**
- Y wire to **CWA Terminal**
- W wire to **W Terminal**

Make sure each wire is securely fastened



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Connect CWA to Control Board

Take the wires coming from the CWA and connect them to the correct terminals on the HVAC control board: **R**, **C**, **G**, **Y**, and **W**.

Close the Control Panel

Carefully close the panel and secure it as needed.

Thermostat Wiring

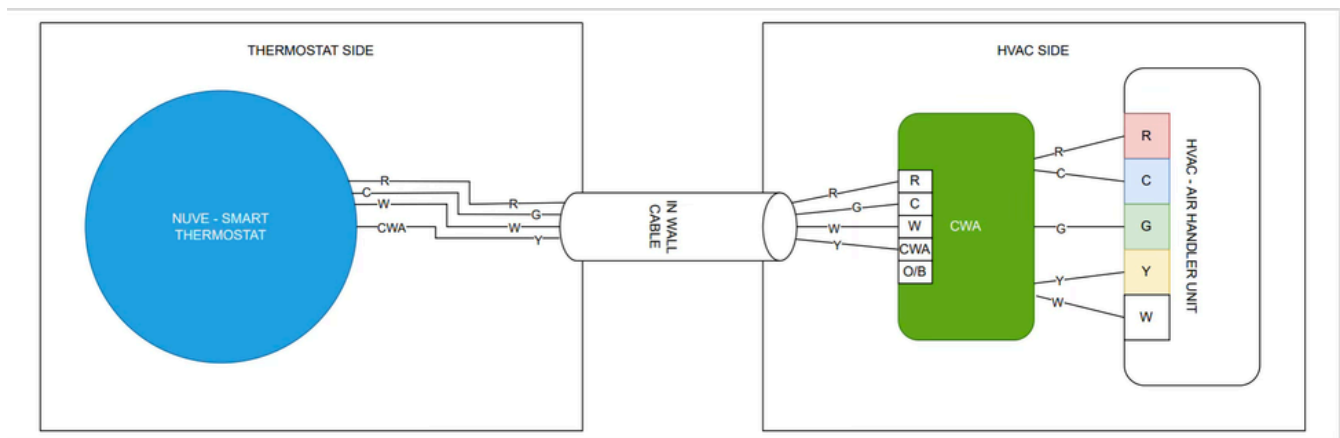
At the thermostat location, connect the wires to the Nuve Smart Thermostat backplate terminals as follows:

- R wire to R Terminal
- G wire to C Terminal
- Y wire to CWA Terminal
- W wire to W Terminal

Install the Thermostat

Attach the Nuve thermostat to its backplate, restore power at the breaker to turn the system back on.

Wiring Diagram



Connect CWA to Control Board

Take the wires coming from the CWA and connect them to the correct terminals on the HVAC control board: **R, C, G, Y, and W**.

Close the Control Panel

Carefully close the panel and secure it as needed.

Thermostat Wiring

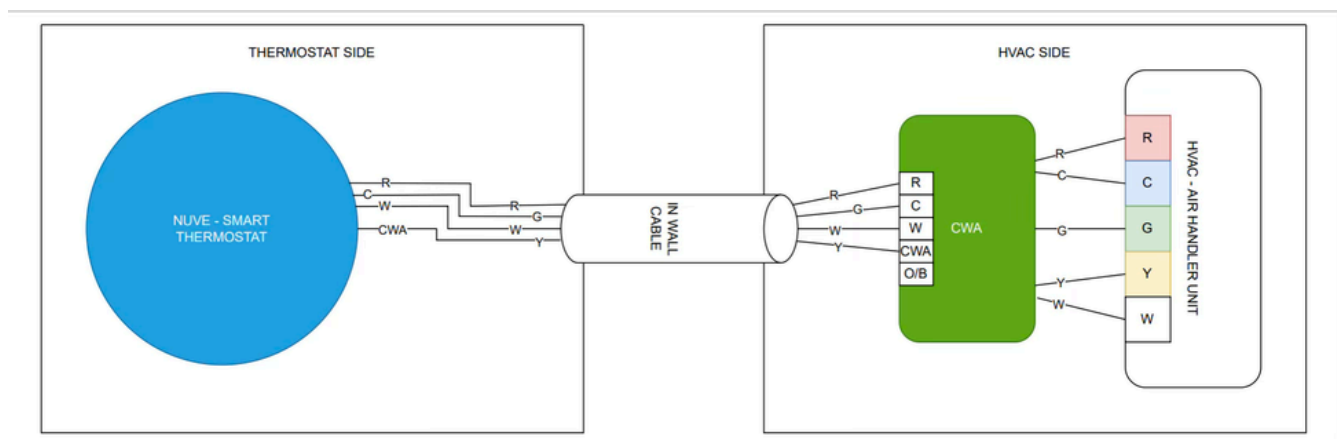
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Wiring Diagram





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Change Log

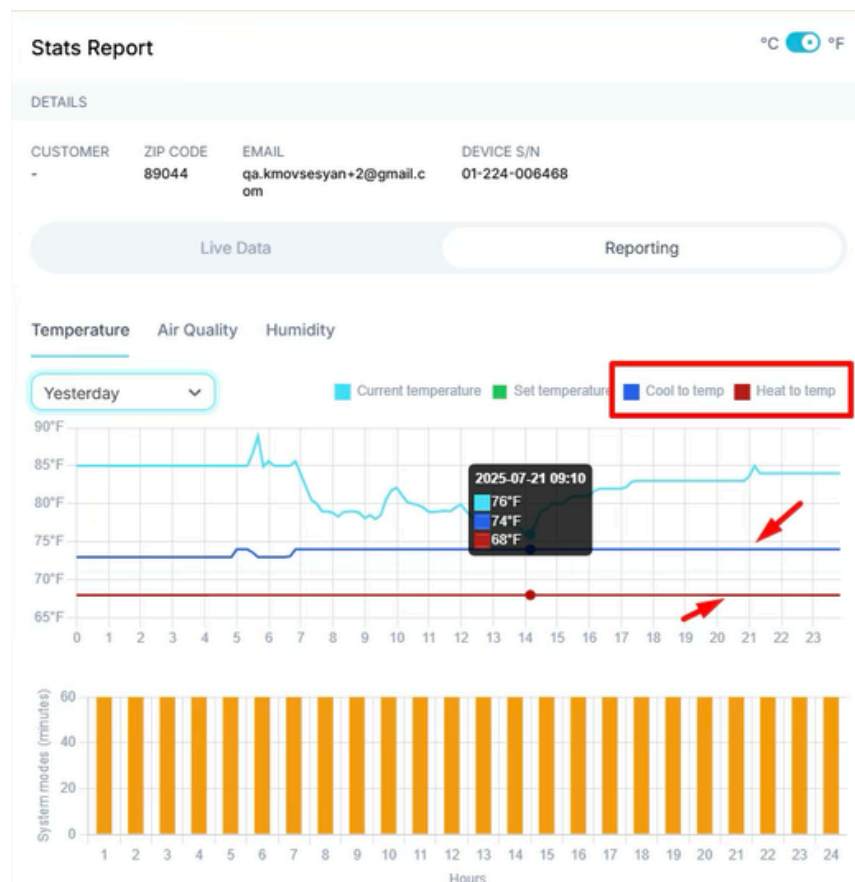
Effective July 25, 2025

Hi all, Nuve is excited to share the latest features released for Nuve Contractors:

1. Added to the Cool to / Heat to valves on Monitoring charts for Auto mode
2. Improved Chart View for Single-Day Selections
3. Added Membership Type columns
4. Implemented option of Device Transfers Within a Parent Company
5. Added unlock Thermostat Option for Admins

The Cool to / Heat to Values on Monitoring Charts (Auto Mode)

We've added two new parameters—**Cool to** and **Heat to**—to the Temperature chart in the **Monitoring > Stat Report** wizard. These represent the desired temperature range (comfort zone) when the thermostat is set to **Auto** mode.



Change Log

Effective: July 25, 2025

Improved Chart View for Single-Day Selections

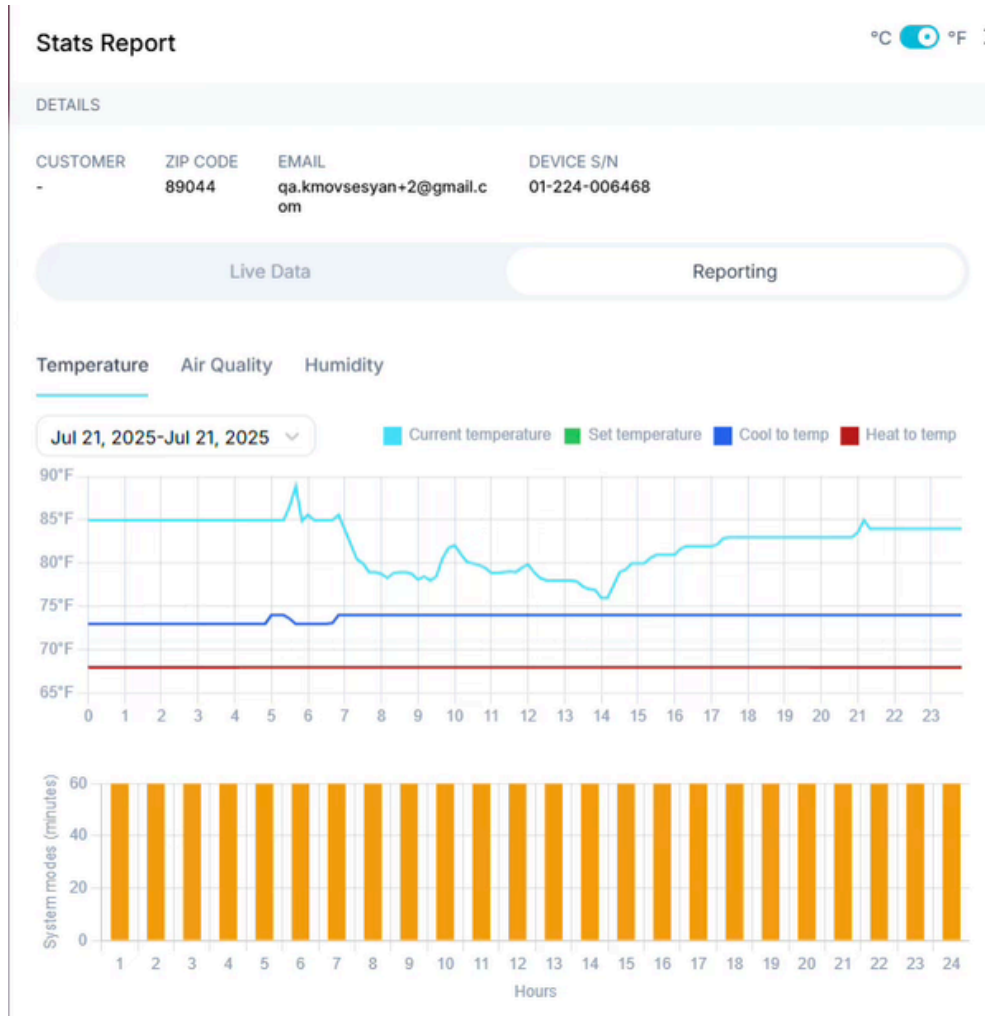
When selecting a **single day** in the Stat Report wizard, the data now displays in full detail across **Temperature**, **Humidity**, and **Air Quality** charts.

- Previous: 4 Data Points
- Now: 144 data points (for 10-minute intervals)

The screenshot displays the 'Stats Report' interface. At the top, there's a temperature unit selector set to °F. Below this is a 'DETAILS' section with fields for CUSTOMER, ZIP CODE (89044), EMAIL (qa.kmovsesyan+2@gmail.com), and DEVICE S/N (01-224-006468). A toggle switch allows switching between 'Live Data' and 'Reporting' views. The 'Reporting' view is active, showing tabs for 'Temperature', 'Air Quality', and 'Humidity'. The 'Temperature' tab is selected, displaying a date range of 'Jul 21, 2025-Jul 21, 2025'. A legend indicates four data series: Current temperature (blue), Set temperature (green), Cool to temp (dark blue), and Heat to temp (red). A calendar overlay shows July 2025 and August 2025. The date '2025-07-21' is highlighted in the calendar. Below the calendar, a date range input field shows '2025-07-21' to '2025-07-21'. To the right, a partial view of the charts is visible, showing a line graph for temperature and a bar chart for air quality. The 'Apply' button is highlighted in blue.

Change Log

Effective: July 25, 2025



This enhancement improves root cause analysis—especially when investigating System Efficiency Alerts.

Change Log

Effective: July 25, 2025

Alert: System Efficiency - Customer Mobile testing, Thermostat 01-124-000090 [Inbox x](#)

✦ Summarize this email



NuveTeam <donotreply@nuvehome.com>
to karlenh+testing ▾

Alert: System Efficiency - Customer Mobile testing, Thermostat 01-124-000090

This is to inform you that a **System Efficiency Alert** has been triggered for one of the thermostats you support. Please review the details below:

Details:

- **Date and Time Triggered:** 07.22.25 03:39
- **Thermostat S/N:** 01-124-000090
- **Location:** Testing only (ARM) California 92807
- **Customer:** Mobile testing

Alert Details:

[Click here](#) to view detailed information on the Dashboard.

Membership Type Display and Filtering

We've introduced a new **Membership Type** column in the following pages:

- **Messages**
- **Performance Test**
- **Monitoring**

This allows users to:

- View all active customer memberships
- Filter by membership
- Send targeted messages or initiate performance tests accordingly

Change Log

Effective: July 25, 2025

Orders

Technicians

Messages

Alerts

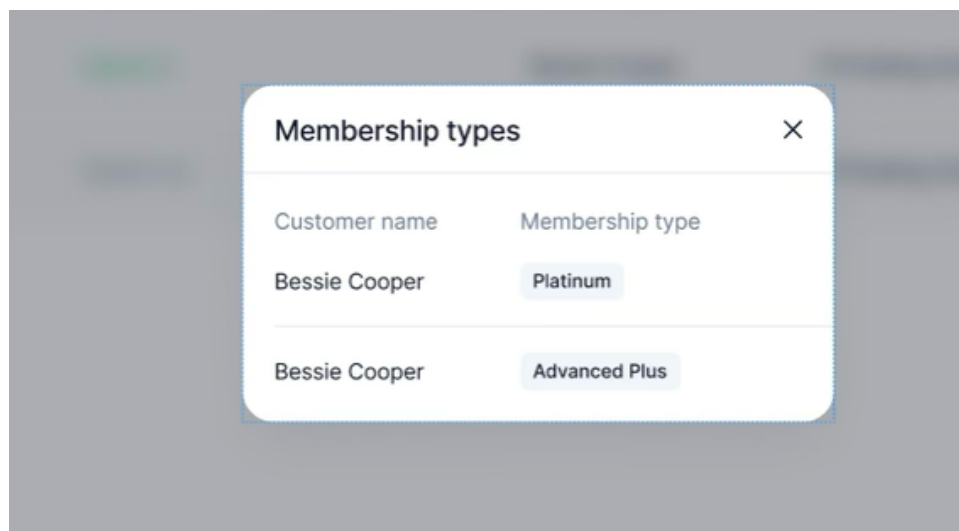
Performance Test

Monitoring

Send now

History

Scheduled Message	Country	Zip code	State	Membership type	City
See message	US	14355	MT	Platinum +1	New York
See message	US	48144	WV	Power Gold 1	San Antonio
See message	Canada	65563	OK	Platinum +2	San Antonio
See message	US	20441	KS	Plus Advanced +1	New Jersey
See message	US	93126	AZ		Dallas
See message	US	42574	TX		Dallas



Customer name	Membership type
Bessie Cooper	Platinum
Bessie Cooper	Advanced Plus

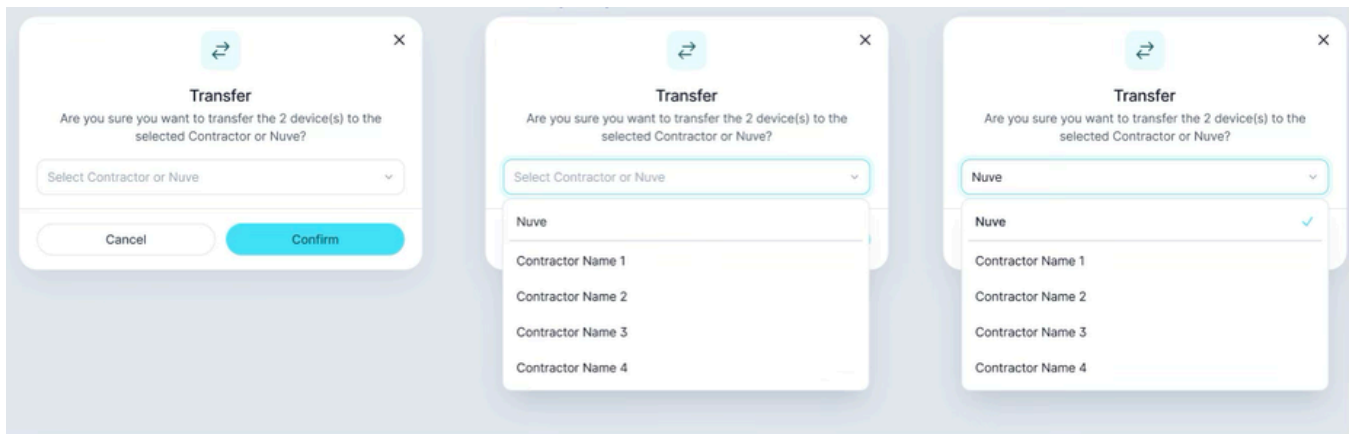
Change Log

Effective: July 25, 2025

Device Transfers Within a Parent Company

Contractors that are part of a larger **Parent Company** group can now:

- **View other contractors** in the same group
- **Transfers devices** between accounts under the same parent company and also to Nuve



Unlock Thermostat Options for Admins

All Nuve Admin accounts now have the ability to **generate a master PIN** to unlock thermostats in these cases:

- After the 100-hour runtime limit of **Limited Mode** is over
- When a user forgets the PIN code

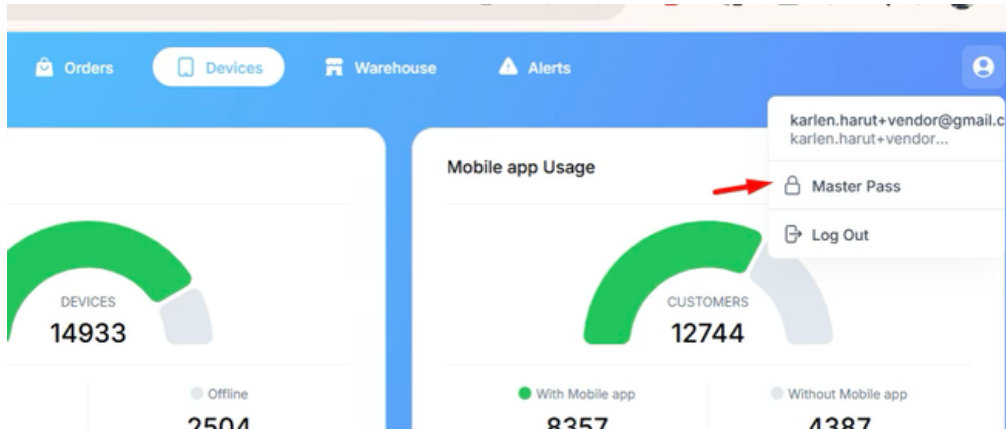
How to use:

1. Go to **Account Avatar** → **Master Pass** page
2. Input the 6-digit code displayed on the thermostat
3. Click **Generate** to retrieve the unlock pin



Change Log

Effective: July 25, 2025



The page is titled 'Hello, What is your code' and is located at https://www.nuvehvac.com/master-pass. It features a navigation bar with links to Dashboard, Contractors, Admin, Orders, Devices, Warehouse, and Alerts. A text input field contains 'e.g., 123456' and a 'Generate' button.

The page displays the generated master password. It features a navigation bar with links to Dashboard, Contractors, Admin, Orders, Devices, Warehouse, and Alerts. The text 'Hello, What is your code' is followed by a text input field containing '435658' and a 'Generate' button. Below this, the text 'Your master password is:' is followed by the large number '5137'.

Change Log: July 09th 2025

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Change Log: July 09th 2025

Hi all, Nuve is excited to introduce the new features we've released in the new firmware version 1.5.2

1.5.1 Features:

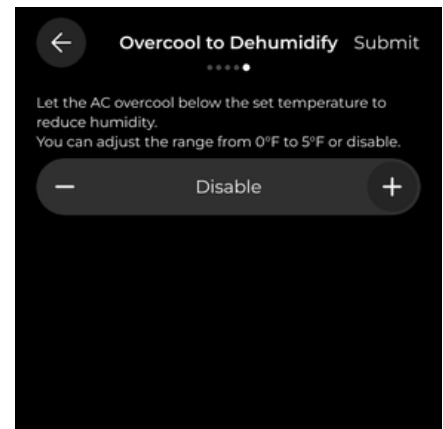
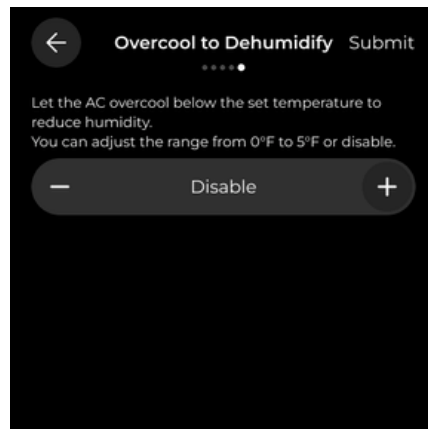
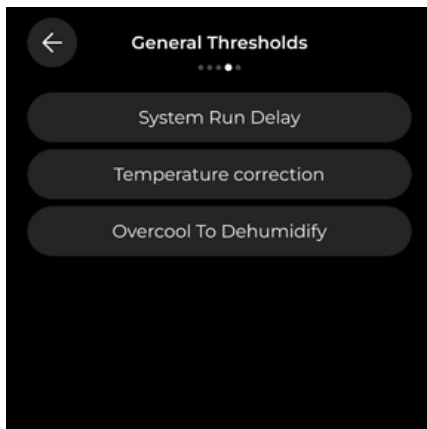
- Overcool to Dehumidify Threshold
- Aux Heat Trigger Threshold for Heat Pump
- Compressor Lockout Threshold for Heat Pump
- HVAC System Age Selection During Installation
- 7 Day Weather Forecast on the Thermostat
- Automatic Time Zone Detection

1.5.2 Features:

- [FIXED] Failure to energizer Fan When in Manual Circulation Mode

Overcool to Dehumidify Threshold

A new threshold has been added to allow the AC to overcool in order to reduce humidity. This can be configured via Menu → System Setup → General Thresholds. The range is from 'Disable' to 5°F adjustable in 0.5°F increments.

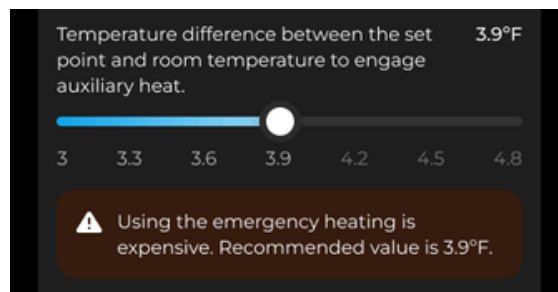


Change Log: July 09th 2025

Threshold to set the temperature difference to turn on Aux on Heat Pump

A threshold is now available to define the temperature between the set point and the actual room temperature that will trigger auxiliary heat for heat pump systems

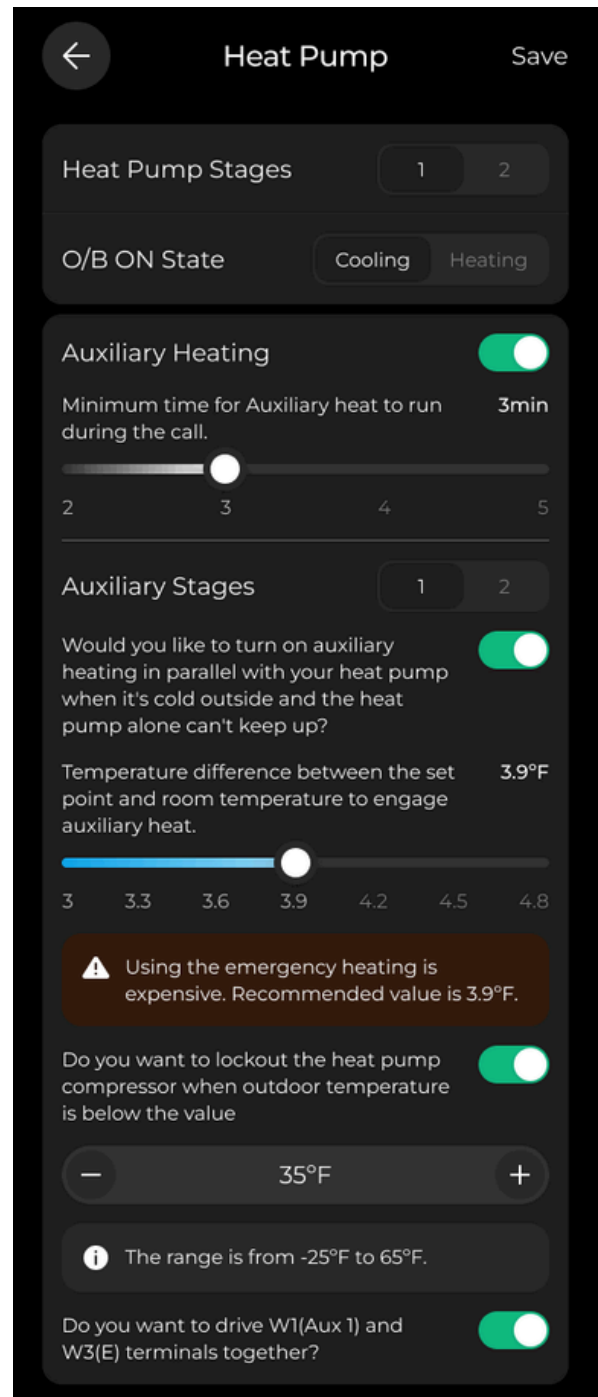
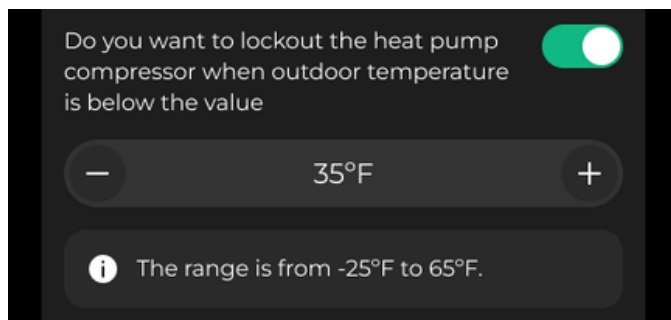
Recommended default value: 3.9°F.



Compressor Lockout Threshold for Heat Pump

A new compressor lockout threshold has been implemented for heat pump system types. This prevents the compressor from operating when the outdoor temperature falls below the configured threshold, enabling auxiliary heat to take over. This is also available for Dual Fuel systems.

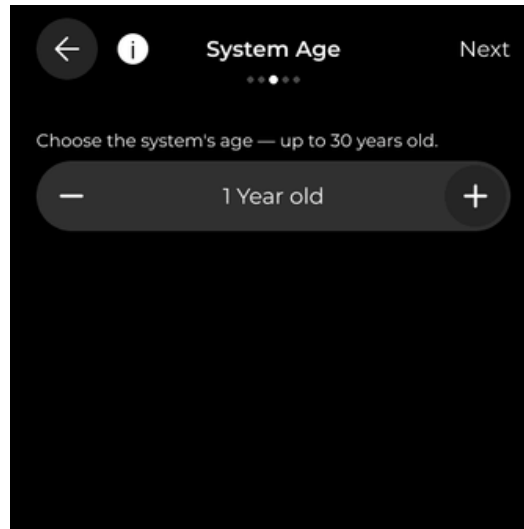
Change Log: July 09th 2025



Change Log: July 09th 2025

HVAC System Age Selection During Installation

Installers can now specify the HVAC System's age during the thermostat installation flow. This information can later be viewed or updated via the Contractor portal under the Customer profile.



7 Day Weather Forecast on the Thermostat

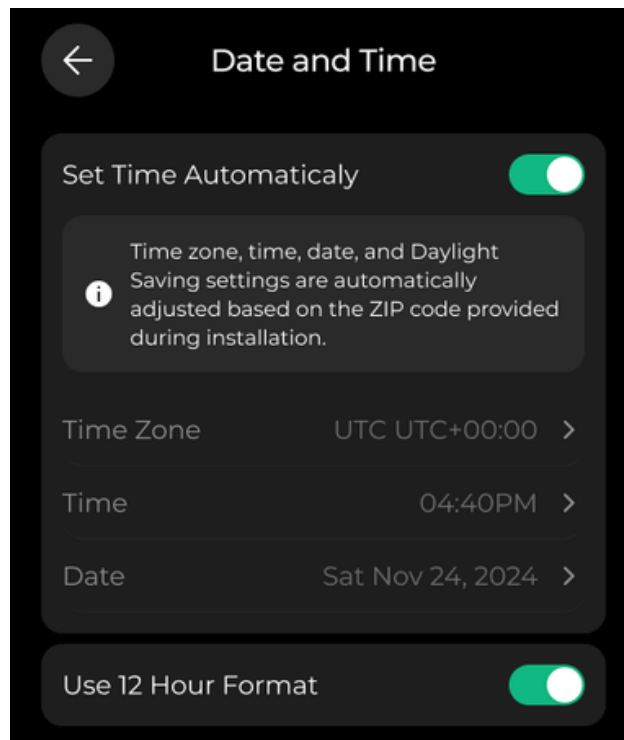
Thermostat now displays a 7-day weather forecast with icons & conditions. Tapping the outdoor temperature icon, which also shows the weather condition, reveals the full forecast.



Change Log: July 09th 2025

Automatic Time Zone Detection

During installation, the thermostat now automatically detects & applies the correct time zone based on the zip code provided. This ensures accurate time synchronization and monitoring data.



Failure to Energize Fan When in Manual Circulation Mode

A logic issue was present in the 1.5.1 release which could cause systems that were on manual fan circulation to not energize the G wire which would cause the fan blower to not operate during cooling. This fix resolves the issue & ensure that relays are successfully set for the operation mode to energize the fan blower.



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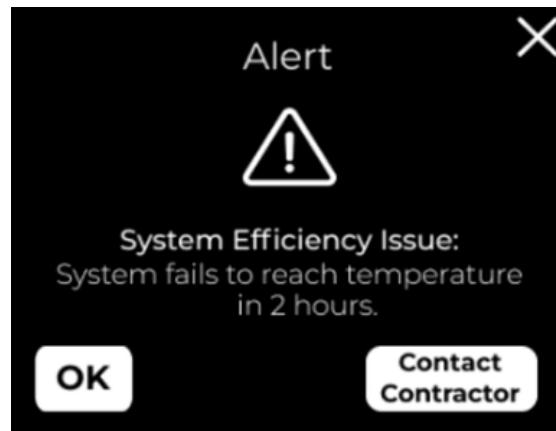
Change Log: April 15, 2025

Hi all, Nuve is excited to introduce the new features we've released in the new firmware version 1.4.15

- Implemented the System Efficiency alert
- Integrated temperature correction into the system setup
- Redefined Sleep Mode visuals and adjusted setting to turn off the TOF sensor and LED blinking
- Enabled the fan to run indefinitely (non-stop)
- Expanded the outdoor temperature to range -25F° to 65° F
- Added heating type selection and fan control settings for Traditional, Heat Only, and Dual Fuel heating systems.
- Added fan control settings for the Heat Pump system type
- Implemented a new threshold for auxiliary heating activation when the heat pump cannot raise the temperature

System Efficiency alert

A new alert system has been implemented to notify users when the HVAC system is inefficient in reaching the set temperature. The alerts are now visible on the thermostats main screen, web application and mobile app.



Logic Overview

Core Monitoring:

Continuously monitors indoor temperature, user-set temperature, HVAC and system mode (heating/cooling).

Change Log: April 15, 2025

Alert Trigger Conditions:

Cooling Mode:

- Outdoor temp is significantly cooler than ASHRAE cooling design temp
- Indoor temp isn't dropping $\geq 4^{\circ}\text{F}$ in 2+ hours
- HVAC has been running 2+ hours without reaching set point

Heating Mode

- Outdoor temp is significantly warmer than ASHRAE heating design temp
- Indoor temp isn't rising $\geq 4^{\circ}\text{F}$ in 2+ hours
- HVAC has been running 2+ hours without reaching set point

False Alert Prevention

- Suppresses alerts for 12 hours after installation or start up
- Delays alerts 30 minutes after a restart to confirm temperature trend.

Temperature Correction Setting:

Allows users to adjust for thermostat reading inaccuracies due to ambient differences between the thermostat location and other areas of the home.

Adjustment Range:

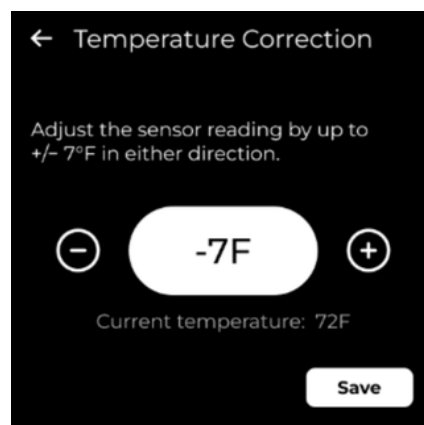
Manual correction of $\pm 7^{\circ}\text{F}$ is available to align with trusted temperature readings

Usage Guidance:

Intended for cases where the thermostat consistently differs from other thermometers

Setting Location:

Available under: Menu → Settings → System Setup → General Thresholds



Change Log: April 15, 2025

Sleep Mode visuals and adjusted settings to turn off the TOF sensor and LED blinking

Sleep Mode Logo Display:

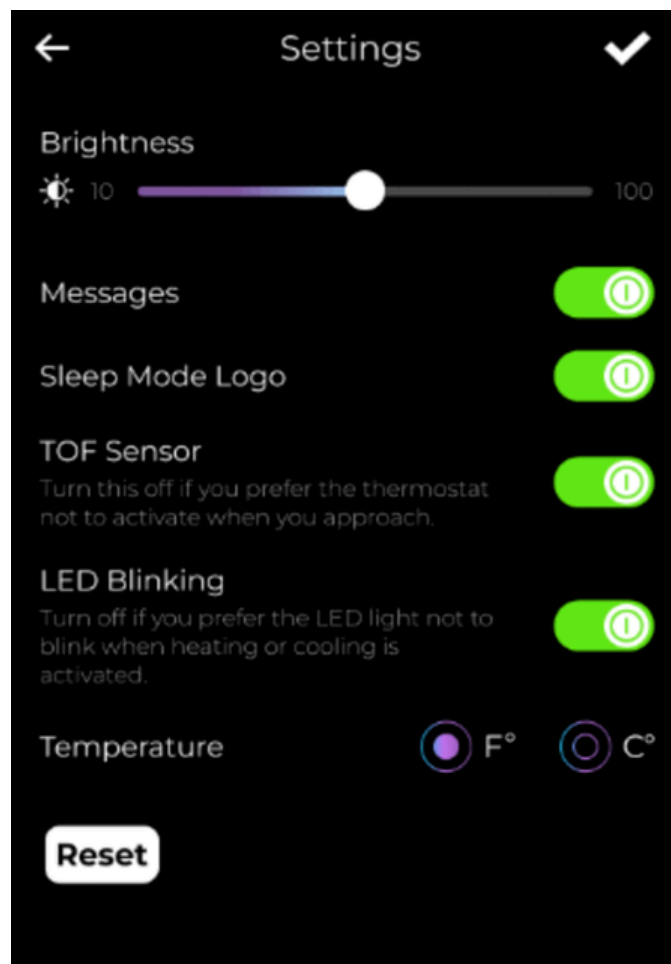
- Option added to disable the logo on the Sleep Mode screen for customers who prefer a cleaner or neutral display

TOF Sensor Control

- Ability to disable the Time-of-Flight (TOF) sensor introduced for users with religious sensitivities (e.g., Sabbath mode).

LED Activity Indicator:

- New setting allows users to disable LED blinking during HVAC activation (Cooling/Heating), reducing visual distractions.



Change Log: April 15, 2025

Fan to run indefinitely (non-stop)

New "Always ON" Option:

Replaced "Timer" naming with clearer "Always ON" to reflect expected behavior of continuous fan operation.

Simplified Timer Settings:

Fan timer options streamlined to 10 / 20 / 30 / 40 / 50 minutes, making it easier to select predefined ventilation periods

Improved User Experience:

UI better reflects common HVAC use cases (Auto, On, Always On) while offering quick tap timer presets for fresh air circulation

