Product Overview

Exterior View

How to access the settings menu

| SETTINGS	USER
User	Units
Installer	Display
Done	Humidity
	Info
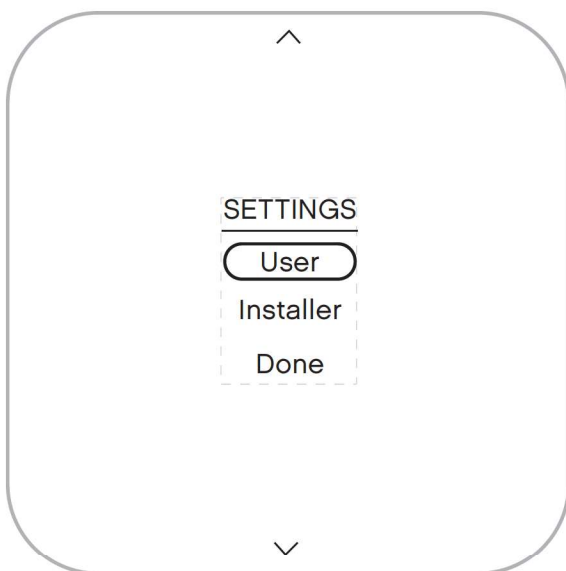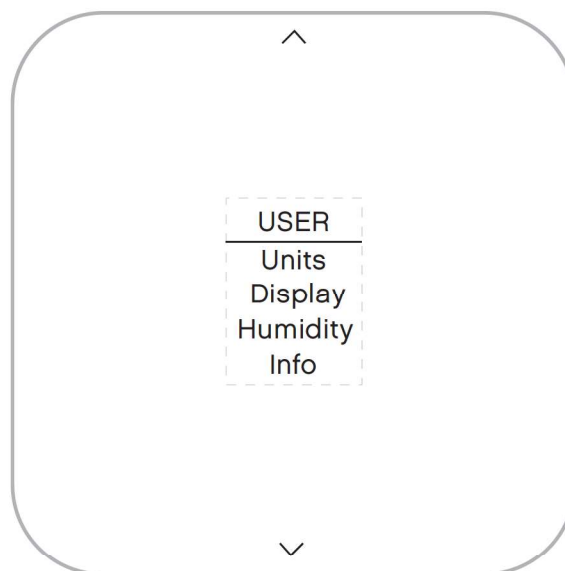
step 1   **step 2**

Screens

Navigating the Vivint Element screens

- Use the UP and DOWN buttons to move the cursor on the screen.
- Use the SIDE button to make a selection or scroll through options.
- To go back to a previous screen, highlight the **arrow** at the top of the screen and press the SIDE button.

To return to the Home screen press and hold the SIDE button for one (1) second.

Home Screen

Mode

Target Temp

Room Temp

❄

69

70
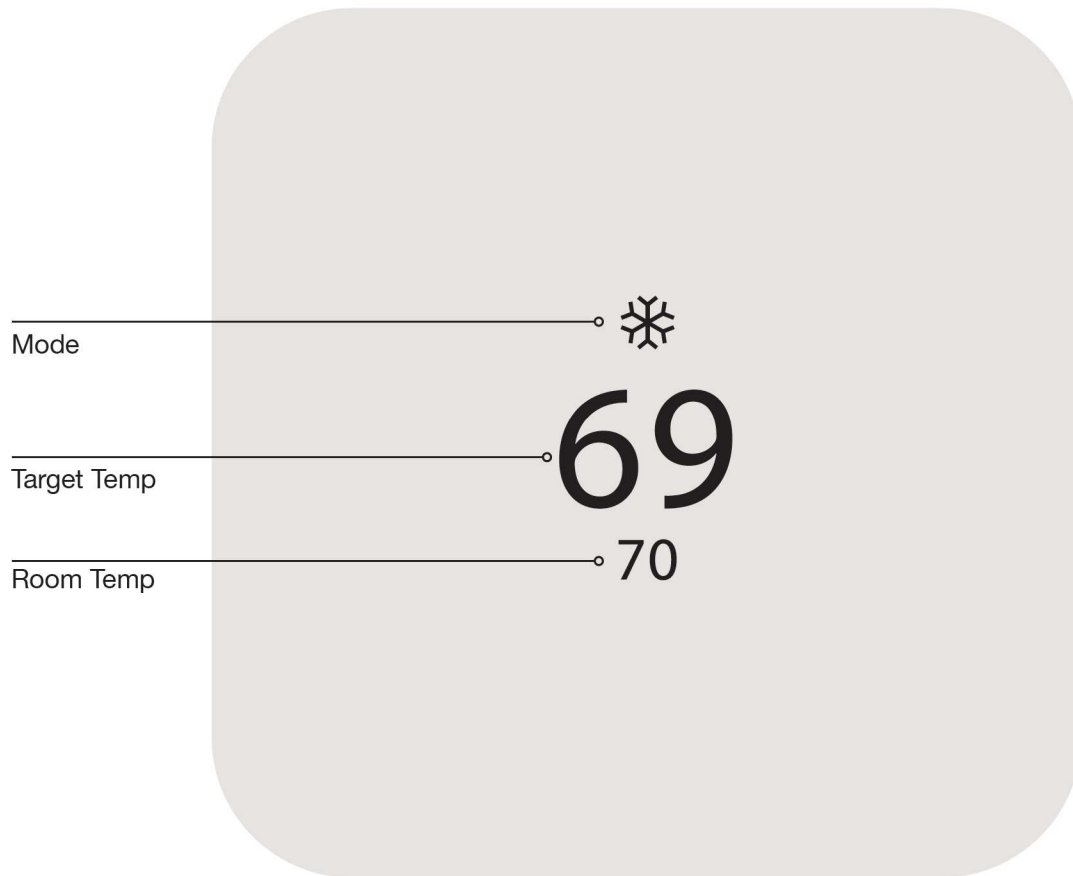
This is the default screen on the Thermostat. Anytime the unit wakes from sleep (or senses you approaching, if the sensor is enabled), the screen lights up and displays the system's mode (top), the target temperature (center), and the current room temperature (bottom).

When in Heat mode, the light bar at the bottom of the unit glows orange. When in Cool mode, it glows blue. When the unit is off, the light bar does not glow. When the system is actively heating or cooling, the colored glow flickers.

TIP: If your system is in a heating and cooling mode, press the SIDE button once to see the other target temperature. Pressing SIDE again opens the Menu screen.

- To see this screen, press and hold the SIDE button for one (1) second.

- To temporarily change the target temperature, press up/down. The system will meet the target temperature until the next program period starts or you change the system mode.

Outside Temp Screen

This screen displays the outside temperature and inside humidity (in %), and lets you put the system into Vacation mode.

To see this screen, press the SIDE button twice.

HUMIDITY
◊ 65%
28%
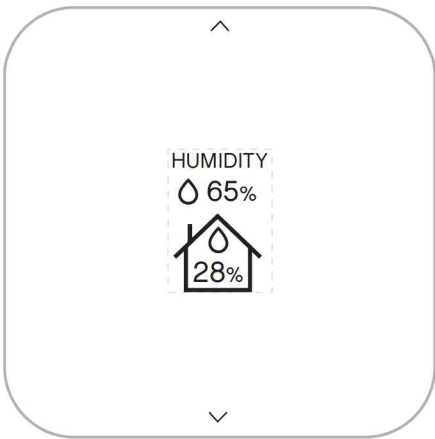
Menu Screen

This screen enables you to change the mode (heat/cool/off) and fan operation (auto/on/15 min/30 min/1 hr).

To see this screen, from the Home screen, press the SIDE button once.

If your system is in a heating and cooling mode, press the SIDE button twice.

Back
Heat
Auto

**NEED BETTER
REFERENCE
IN ORDER TO
REDRAW**

Settings Screen

This screen enables you to adjust the Thermostat's settings, such as display units (°F or °C), target humidity levels, how the display activates, see information about the Thermostat, and adjust installation settings.

To see this screen, from the Home screen, press and hold the SIDE button for three (3) seconds.

SETTINGS
User
Installer
Done

USER
Units

USER
Display

USER
Humidity

USER
Info
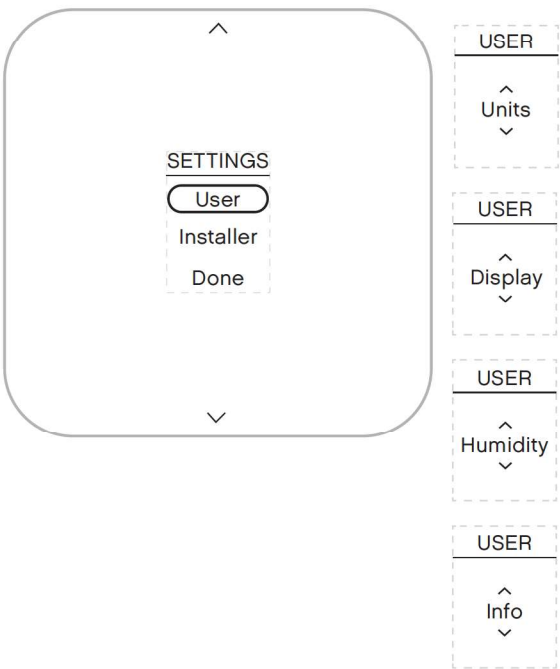
Z-Wave and Thermostat Programs

The Thermostat must be connected to a Z-Wave network in order to operate the device remotely through your panel or app. Use your Z-Wave application to adjust the heating and cooling programs that the Thermostat uses to run your system. You can temporarily override target temperatures and change system modes from the thermostat, but you must use the Z-Wave application to make permanent changes to programs.

Compressor Protection

The Thermostat has a minimum cycle time of five (5) minutes to protect your compressor from excessive wear from responding to thermostat changes. The Home screen shows an hour glass and the message "Please Wait". The compressor will not come on until the five-minute delay is over.

Customization

The Settings screen provides access to many features and settings of the Thermostat. Features you can control on the Settings screen are °F / °C display, humidity targets, display behavior, information about the Thermostat, and installer settings. The following pages provide detailed information about each of these settings.

Units

The Thermostat can display either Fahrenheit or Celsius temperature units. The Thermostat can display room temperatures in a range from 28°F to 99°F (-2°C to 37°C) with increments of 0.5° (F or C).
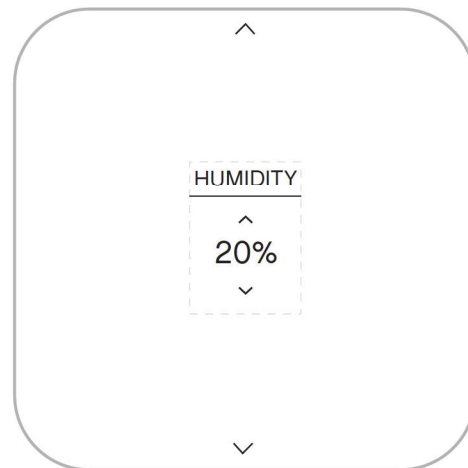
1. From the Home screen, press and hold the SIDE button for three (3) seconds.

2. Press DOWN to highlight Units, then press the SIDE button. The currently selected option has a check mark next to it.

3. Using the UP or DOWN buttons, select an option, then press the SIDE button to confirm.
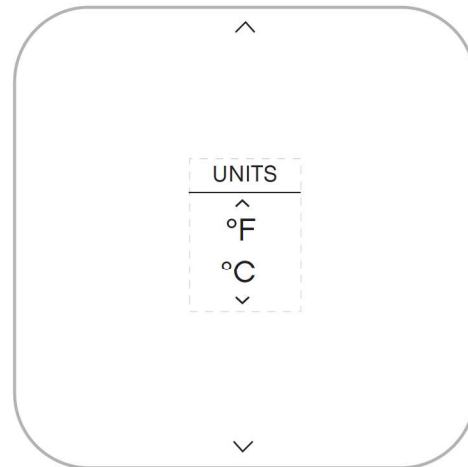
Humidity

This screen is only available if your system includes humidity controlling equipment.

1. From the Home screen, press and hold the SIDE button for three (3) seconds.

2. Press DOWN to highlight Humidity, then press the SIDE button. The current Humidity Target Level percentage displays. Every 10 seconds, the display shows the target temperature associated with the humidity value.

3. Press UP or DOWN to set a new target humidity percentage, then press the SIDE button to confirm.

UNITS

°F
°C

HUMIDITY

20%

Display

The Thermostat display can operate in one of two modes: Approach or Button Tap.

Approach means that the device's display will automatically turn on when it senses you approach within 4 (four) feet of the unit.

Button **Tap** means that you will have to press one of the buttons on the unit to wake the display.

1. From the Home screen, press and hold the SIDE button for three (3) seconds.

2. Press DOWN to highlight Display, then press the SIDE button . The current Display On behavior has a check mark next to it.

3. Press UP or DOWN to select a behavior, then press the SIDE button to confirm.
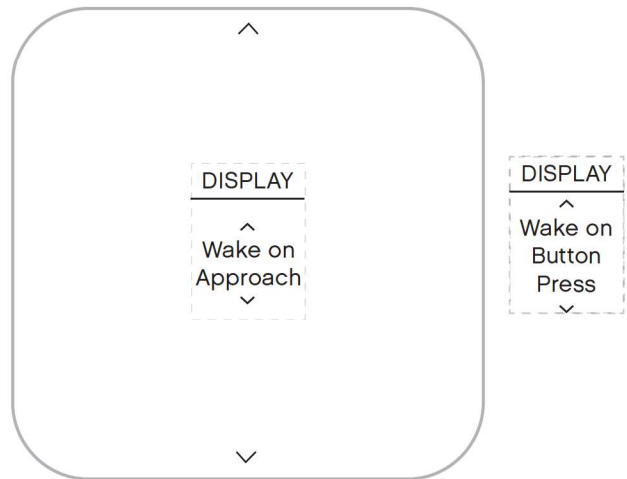
Info

Information about the Thermostat device includes:

POWER: The power supply the unit is currently using (batteries, C-wire, and/or transformer).
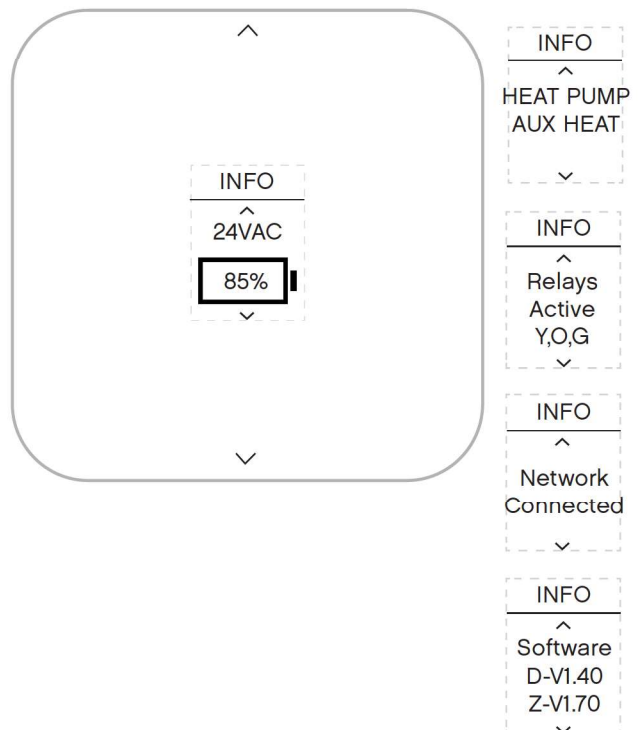
BATTERY: How much battery power is currently left, if batteries are installed in the unit.

HEATING: The heating setting the system is currently using.

ACTIVE RELAYS: The wires currently being used by the system.

NETWORK: Whether or not the unit is currently connected to a Z-Wave network.

SOFTWARE: The current software and firmware versions the unit is using.

DISPLAY
Wake on Approach

DISPLAY
Wake on Button Press

INFO
24VAC
85%

INFO
HEAT PUMP AUX HEAT

INFO
Relays Active Y,O,G

INFO
Network Connected

INFO
Software D-V1.40 Z-V1.70

1. From the Home screen, press and hold the SIDE button for three (3) seconds.

2. Press DOWN to highlight Info, then press the SIDE button. Information about the Thermostat displays.

3. Press UP or DOWN to scroll through the available information.

Installer

Installer settings control the following Thermostat functions:

EQUIPMENT: heating, cooling, humidity control, and fan behavior

COMFORT: swing, differential, and other settings

NETWORK: the Thermostat's connection to a Z-Wave Network

TESTING: the Thermostat's connection to your equipment

RESET: resetting the Thermostat's software to factory default

> ⚠ **WARNING**
>
> Be sure to turn the thermostat operating mode to OFF before changing HVAC setup

EQUIPMENT

The Equipment settings menu is typically used during installation of the Thermostat. The options in this menu enable you to set the heating, cooling and humidity control.

See the Installation Guide's Setup section for information on setting those options.

COMFORT

Comfort settings enable you to control:

CALIBRATION: Offsets the unit's temperature display

CYCLING: This feature enables you to set the acceptable variance in temperature between the Thermostat's setting and the current room temperature before the heating or cooling system will turn on. The Cycling range can be from 0.5 to 4.0F (.25 to 2C). For example, if Cycling is set to 2.0°F and the Thermostat is set to 70°F target temperature, the heat cycle will start when the room temperature drops to 68°F. Similarly, the cooling system will start when the room temperature increases to 72°F. The HVAC runs until the room reaches the target temperature, and then shuts off.

STAGING: Used for multiple stage systems only. Staging is the number of degrees between the room temperature and the target temperature at which the next stage in multi-stage systems will engage to bring the room temperature back to the target. The default is 2°F. The programmable range is 2°F to 6°F (1°- 3°C).
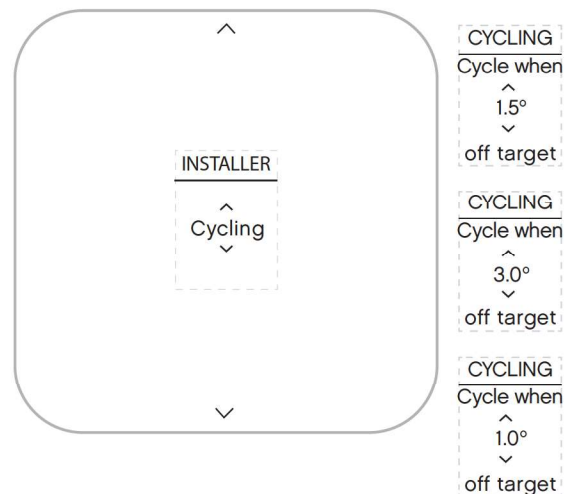
CALIBRATION

1. From the Home screen, press and hold the SIDE button for three (3) seconds.

2. Press DOWN to highlight Installer, then press the SIDE button.

3. Press DOWN to highlight Comfort, then press the SIDE button.

4. Press DOWN to highlight Calibration, then press the SIDE button .The current temperature offset displays.

5. Press UP or DOWN to change the value, then press the SIDE button to confirm.

INSTALLER

Calibrate

TEMP
Offset by
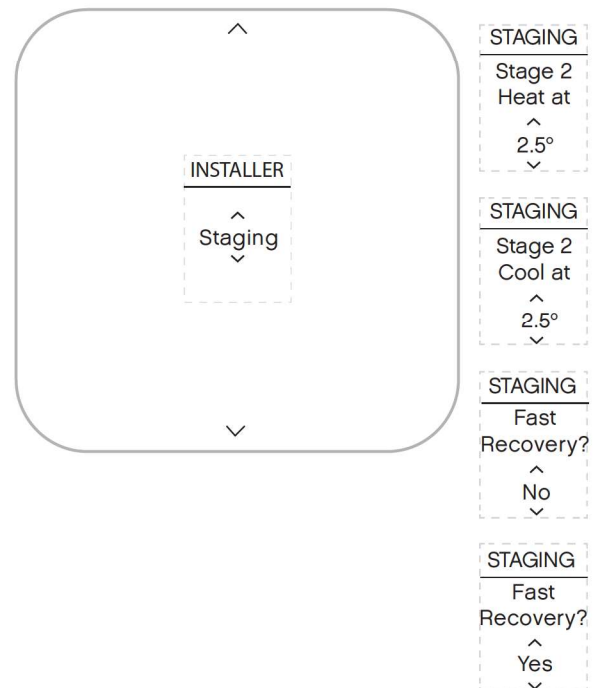0.0°

HUMIDITY
Offset by
0.0°
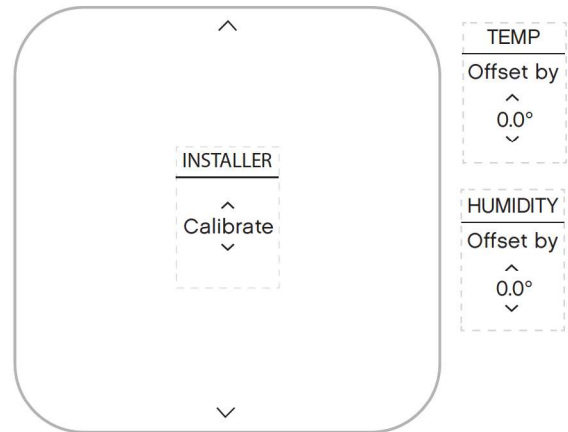
CYCLING

1. From the Home screen, press and hold the SIDE button for three (3) seconds.

2. Press DOWN to highlight Installer, then press the SIDE button.

3. Press DOWN to highlight Comfort, then press the SIDE button.

4. Press DOWN to highlight Cycling, then press the SIDE button. The current cycling value displays.

5. Press UP or DOWN to change the value, then press the SIDE button to confirm.

INSTALLER

Cycling

CYCLING
Cycle when
1.5°
off target

CYCLING
Cycle when
3.0°
off target

CYCLING
Cycle when
1.0°
off target

STAGING

1. From the Home screen, press and hold the SIDE button for three (3) seconds.

2. Press DOWN to highlight Installer, then press the SIDE button.

3. Press DOWN to highlight Comfort, then press the SIDE button.

4. Press DOWN to highlight Staging, then press the SIDE button. The current staging value displays.

5. Press UP or DOWN to change the value, then press the SIDE button to confirm.

NETWORK

Network settings enable you to link (connect) the Thermostat to a Z-Wave Network, and to reset the network connection.

LINK

Before starting this procedure, go to your Vivint panel and prepare it for new devices. Once it is ready, link the Thermostat to the network.

1. From the Home screen, press and hold the SIDE button for three (3) seconds.

2. Press DOWN to highlight Installer, then press the SIDE button.

3. Press DOWN to highlight Network, then press the SIDE button.

4. Press DOWN to highlight Link, then press the SIDE button. The current networking status displays.

5 . Highlight Link, then press the SIDE button. The unit attempts to connect to a local Z-Wave Network .
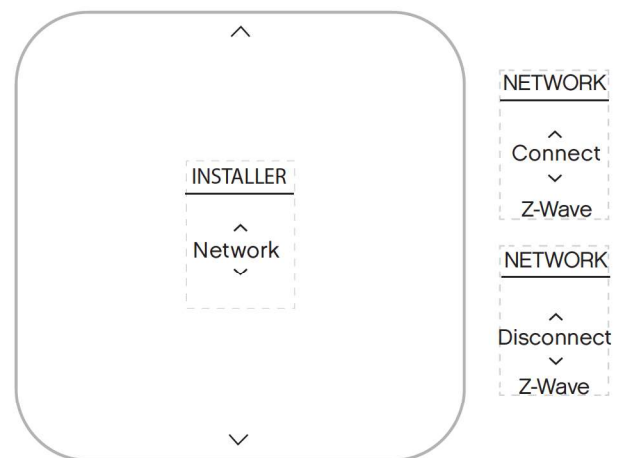
RESET

The Network>Reset resets the Thermostat's radio to unlink it from its linked Z-Wave Controller. Use this option before replacing your Z-Wave Controller so that your Thermostat can connect to the new controller.

1. From the Home screen, press and hold the SIDE button for three (3) seconds.

2. Press DOWN to highlight Installer, then press the SIDE button.

3. Press DOWN to highlight Network, then press the SIDE button.

4. Press DOWN to highlight Reset, then press the SIDE button.

5. To confirm that you want to reset the connection, press DOWN to highlight Reset, then press the SIDE button. The connection resets .

Need reference for this illustration

Testing

Testing options enable you to test the functionality of your heating and cooling equipment's connection to the Thermostat. For instructions on running these tests, see page 20 in the Installation Guide.

Reset

The Reset menu enables you to restart the Thermostat, as well as to reset the device to factory defaults.

RESTART

1. From the Home screen, press and hold the SIDE button for three (3) seconds.

2. Press DOWN to highlight Installer, then press the SIDE button.

3. Press DOWN to highlight Reset, then press the SIDE button.

4. Press DOWN to highlight Restart, then press the SIDE button.

5. To confirm that you want to restart the device, press DOWN to highlight Reset, then press the SIDE button.

The device restarts.

RESET

1. From the Home screen, press and hold the SIDE button for three (3) seconds.

2. Press DOWN to highlight Installer, then press the SIDE button.

3. Press DOWN to highlight Reset, then press the SIDE button.

4. Press DOWN to highlight Reset, then press the SIDE button.

5. To confirm that you want to reset the device to factory defaults, press DOWN to highlight Reset, then press the SIDE button. The device resets itself and reboots. You will need to connect the device to your Z-Wave Network and specify your system's equipment and settings. See the Installation Guide Setup section.

Need reference for this illustration
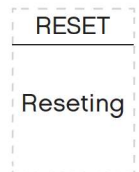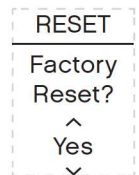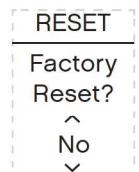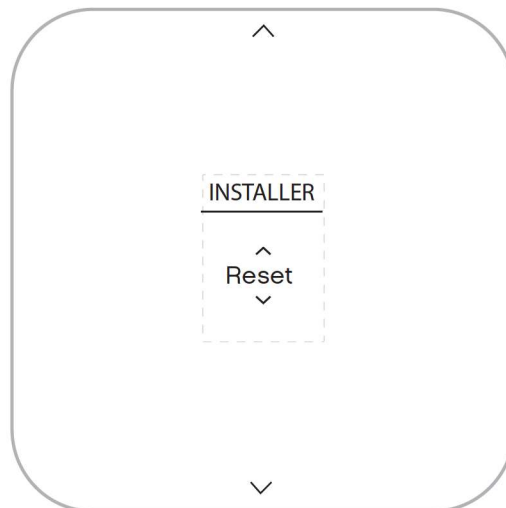
Other Device Information

Low Battery Warning

The Thermostat displays this screen when the batteries are running low on charge and should be replaced . This screen will only display once per day the first time the screen wakes.

1. Press the SIDE button to dismiss this warning .

2. Turn the thermostat mode to OFF (from heat or cool).

3. Replace the batteries.

4. Turn the thermostat mode back on to HEAT or COOL.

Your settings will be retained and the thermostat will automatically reconnect to the Z-Wave Network.

Network Disconnected

The Thermostat displays this screen when it has lost its connection to the Z-Wave Network. This screen will only display once per day the first time the screen wakes.

1. Press the SIDE button to dismiss this warning.

2. Go to the Home > Installer > Network > Link menu, and follow the procedure to reconnect the Thermostat to the Z-Wave Network.

Firmware Updating

The Thermostat displays this screen when it is updating its firmware.

Wait until the firmware update is complete (about 15 minutes) and this screen is no longer displayed before attempting to use the Thermostat.
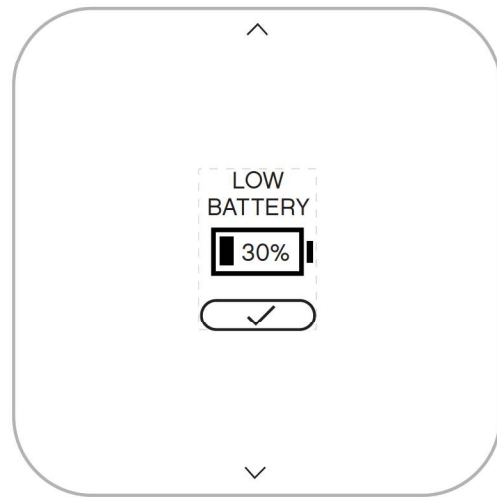
FCC WARNING

Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception (which can be determined by turning the equipment off and on), try to correct the interference by following these suggestions:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

WARNING: Changes or modifications to this receiver not expressly approved by RTCOA void the user's authority to operate this equipment.

RF Exposure info -- (manual)

This equipment complies with FCC's and IC's RF radiation exposure limits set forth for an uncontrolled environment. The antenna(s) used for this transmitter must be installed and operated to provide a separation distance of at least 20 cm from all persons and must not be collocated or operating in conjunction with any other antenna or transmitter. Installers must ensure that 20cm separation distance will be maintained between the device (excluding its handset) and users.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This device complies with Industry Canada's licence-exempt RSSs. Operation is subject to the following two conditions:

(1) This device may not cause interference; and

(2) This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

(1) l'appareil ne doit pas produire de brouillage;

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

Statement Of Use

100% Compatible with all popular residential HVAC systems: 24VAC single stage and two stage conventional heating systems (gas, oil, electric), heat pumps with up to two stages of heat and up to two stages of auxiliary heat (electric or fossil), zoned forced air and zoned hot water (2 or 3 wire), millivolt systems (a 12- 24V AC or DC source), one or two stage cooling, and hybrid systems. Do not use this thermostat with with line voltage heating systems.