

Overview

CC-WLINT, WireLink™ or CC-RLINT, RadioLink® thermostat interface stations provide bi-directional communication between the Vantage InFusion system and the CC-STAT connected to the HVAC system. The new thermostat and interface stations are backward* compatible.

Common Control and Feedback Features

- Display internal/remote temperature in fahrenheit or celcius
- Display external/outdoor temperature
- Display and control heat setpoint
- Display and control cool setpoint
- Display and control operation mode -
 - Heat
 - Off
 - Cool
 - Auto
- Display and control fan mode -
 - On
 - Auto
- Display and control network connection status -
 - Connected (day mode) - no message
 - Disconnected (night mode) - Network Override
- Maintains separate Network Override (night mode) heat and cool setpoints.
 - Network Override setpoints must be set from the thermostat while in night mode.
- Display and/or condition on current call for heat
- Display and/or condition on current call for cool
- Display time and date

***NOTE:** The CC-STAT thermostat will not work with the Q-ETS3-WireLink or STHER101-RadioLink interface stations. However, an existing Vantage system (InFusion or QLink) with an older thermostat and Q-ETS3 or STHER101 can be updated by replacing with a new CC-STAT and CC-WLINT or CC-RLINT, adding the new serial number to the project file and then updating the controller. No additional programming is required unless wanted.

Specifications

Specifications	CC-WLINT WireLink	CC-RLINT RadioLink
Dimensions HWD (minus wires, antenna, and shrink-wrap)	1.5" x 1.875" x 0.375" 38mm x 48mm x 10mm	1.5" x 1.875" x 0.375" 38mm x 48mm x 10mm
Weight	approx. 0.8oz / 23g	
Power connections	24Vac from HVAC or other 24Vac source connected to the thermostat base	
Station Count Design Center	0.36W on IC-24 0.54W on IC-36	1 RadioLink Station
Station Count QLink	1 WireLink Station	1 RadioLink Station
LED Indicators	WireLink/RadioLink connection status and, receive, transmit LEDs	
Station Bus Wiring	2C, 16AWG / 1.31mm2, twisted, non-shielded, <30pF per foot. Separate a minimum of 12" / 30.5cm from other parallel communication and/or high voltage runs.	
Ambient Operating Temperature	32-95°F -or- 0-35°C	
Ambient Operating Humidity	5-95% non-condensing	

Software/Firmware

Vantage's CC-WLINT & CC-RLINT thermostat interface stations are compatible with InFusion Design Center software and QLink (see NOTE above). Whenever possible it is

recommended that firmware and software be kept to the most current release.

Installation

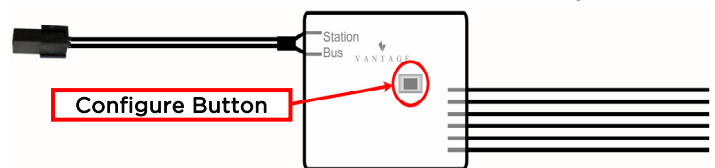
Installation of Vantage products should be performed or supervised by a *Certified Vantage Installer*. The CC-WLINT connects to the Vantage System Station Bus. The Station Bus wire should comply with Vantage's Station Bus wiring specification. The CC-RLINT connects to the Vantage System via a RadioLink enabled system.

Mounting the CC-WLINT or CC-RLINT

The CC-WLINT or CC-RLINT may be mounted behind the thermostat in a single gang box or may hang through a small hole in the wall. Attach wires following the wiring diagram later in this document. *The CC-WLINT or CC-RLINT stations do not supply power to the thermostat.* Please see the Vantage Comfort & Control Communicating Thermostat Installation Manual for complete thermostat or humidistat installation.

Configuration

When the CC-WLINT or CC-RLINT is properly connected and powered the status LED will have a two blink pattern for the WireLink model or a three blink pattern for the RadioLink model which typically means it is not configured. NOTE: The LCD screen does not indicate that it is not configured. From Design Center, with the station highlighted, click on the Configure Stations button on the toolbar menu and wait for the station to display the following scrolling message, *PRESS HOLD TO CONFIGURE / VANTAGE CONFIGURATION*. Press and release the HOLD button, wait for one or two seconds, and verify that the serial number was populated in Design Center. Repeat if necessary. Two additional ways to configure: 1) Follow the steps above but press the configure button on the CC-WLINT or CC-RLINT station. The button is located on the same side as the LED lights, near the middle of the board as illustrated below. The button may be pressed by pressing the shrink-wrap directly over the button. 2) The station may also be configured by typing the serial number in the project file, using this method the station will automatically be configured when the system is programmed. Once configured the status LED on the CC-WLINT or CC-RLINT will blink evenly.



Status LED Diagnostic Information

During setup and configuration the CC-WLINT or CC-RLINT status LED will blink at different intervals. The STATUS LED blinks evenly or flashes 2, 3, 4, 5, or 6 times followed by a pause to indicate status information.

One Even blink: The CC-WLINT or CC-RLINT is correctly configured.

Two blinks: CC-WLINT or CC-RLINT is operating correctly but is not configured.

Three blinks: CC-WLINT or CC-RLINT is not communicating with the Controller. Verify that station bus wiring conforms to Vantage guidelines or for CC-RLINT, verify that the serial number is correct in the software and is in communication range with the RadioLink Enabler.

Four blinks: CC-WLINT or CC-RLINT Factory problem; please contact the factory.

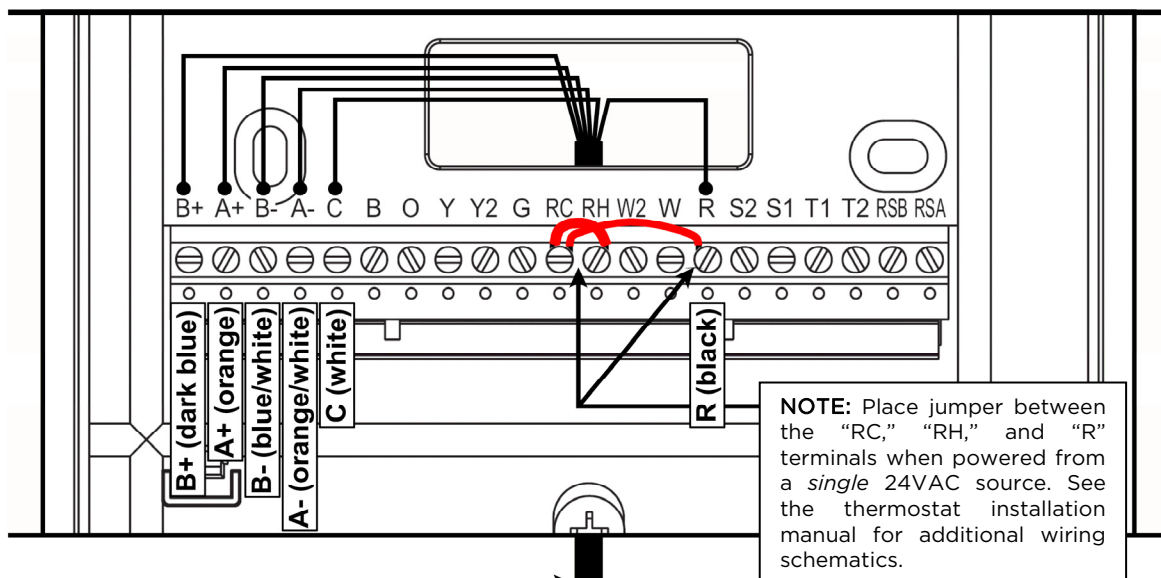
Five blinks: CC-WLINT or CC-RLINT is in configuration mode.

Six blinks: Thermostat is not connected to the base.

Off: The Thermostat is not powered and/or the CC-WLINT or CC-RLINT station is not properly wired.

CC-WLINT & CC-RLINT Wiring

Turn 24VAC power source OFF before wiring to base.



From CC-WLINT or CC-RLINT to Vantage CC-STAT base.
Caution: Use care to match wires to proper screw terminals.

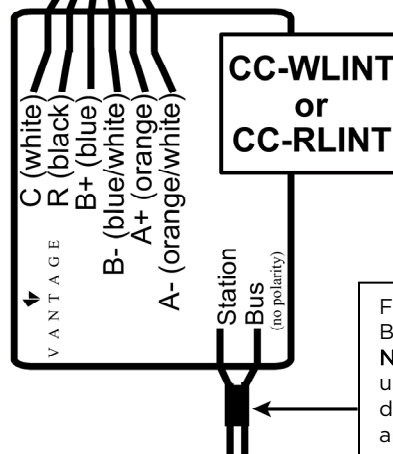
This device complies with part 15 of the FCC rules and Industry Canada ICES-003. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Any changes or modifications not expressly approved by Vantage Controls could void the user's authority to operate the equipment.

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

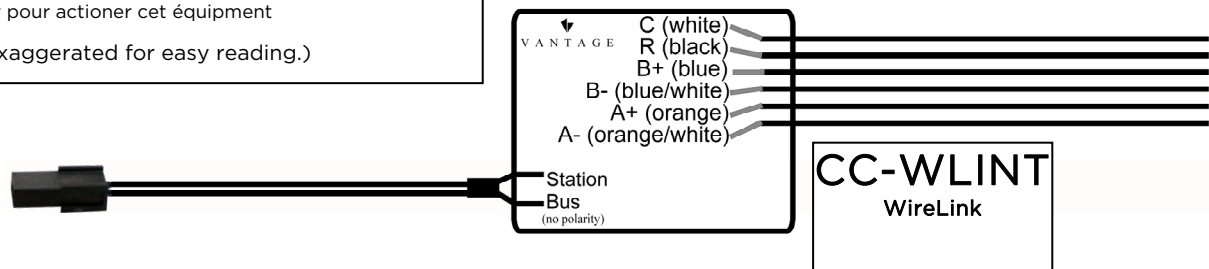
IMPORTANT! Any changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate this equipment.

IMPORTANT! Tous les changements ou modifications pas expressément approuvés par la partie responsable de la conformité ont pu vider l'autorité de l'utilisateur pour actionner cet équipement

(Labeling has been exaggerated for easy reading.)



From CC-WLINT to Station Bus.
Note: If model CC-RLINT is used this side is the antenna; do not cut, strip, or bend antenna.



CC-WLINT & CC-RLINT Multi-View

