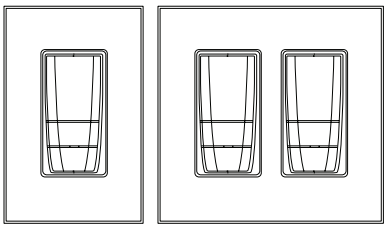
VANTAGE

RadioLink® EasyTouch II ScenePoint Dimmer
Installation Instructions • Instructions d'Installation • Instrucciones de Instalación

No: IS-0467 – rev. 4 10/24

RD1XXX-XXXX • Les Numéros de Catalogue • Los Números de Catálogo:

Country of Origin: Made in China • Pays d'origine: Fabriqué en Chine • País de origen: Hecho en China



***NOTE:** A one button station **WILL NOT SUPPORT** the built-in ambient light sensor or the IR sensor. When using the *Auto Backlight* feature, create a second EasyTouch II keypad style – one with the *Auto Backlight* feature unchecked for *1-button keypads* and another with the *Auto Backlight* feature checked for *multi-button keypads*.

OVERVIEW

EasyTouch II ScenePoint with RadioLink is a wall box dimmer that communicates to the Vantage Control System via a radio transceiver. It is available in a one load configuration that can be ganged with additional EasyTouch II stations up to 4 gangs. It is powered via the local line feed. Before the dimmer is programmed, or if communication is lost, the dimmer functions in default mode as an independent dimmer. Once a button is programmed it can perform any operation that a standard station supports controlling its own or other loads. The dimmer load may be controlled by any other keypad, IR input, RS-232 or timed event. EasyTouch II is available with one* to five buttons for single load stations.

The EasyTouch II Scene-Point joins Vantage's premier backlit line of stations. EasyTouch II is used to replace conventional switches with a programmable, stylish dimmer station. Each button is evenly backlit with a built in diffuser and three color LED providing an array of color choices*, lighting only the lettering on each button. The backlight lettering color indicates the button's status. Programming provides the user with the option to personalize the color for ON and OFF status. Additional custom status colors may be programmed as desired. The EasyTouch II also features an ambient light sensor for automatic day/night backlight intensity control** and a built-in IR receiver. See Design Center software for EasyTouch II ScenePoint faceplate and button finishes.

NOTES TO INSTALLER**

EASYTOUCH II LEDs
Current technology does not allow LED suppliers to guarantee color values. It is common to have a slight difference among LEDs, however, this is not too noticeable with backlit engraving. Historically, blue and red LEDs are more consistent than green LEDs. Because of this slight variation it is recommended that one or two stations be *pre-programmed* with the colors the client is requesting and that these stations be shown to the client for their final approval before ordering and installing.

EASYTOUCH II AUTO BACKLIGHT: ISSUE
The Auto Backlight feature for EasyTouch II will not change all stations at the same time.

EASYTOUCH II AUTO BACKLIGHT: DESCRIPTION
EasyTouch II incorporates a built-in light sensor. When enabled through Vantage software the sensor will change the brightness of the button LEDs. For example, in normal light the buttons would be bright. In extremely low light conditions, as at night time with all the lights off, the buttons would be dimmed to a very low level. Many conditions lend to the phenomenon of keypads not changing at the same time. The location of each keypad is primary. In multiple gang situations more light may be on one part of the multi-ganged station causing the auto backlight feature to operate differently in that section of the multi-gang. Many other lighting factors, even less noticeable to the human eye, can affect, auto backlight sensors, intended results.

EASYTOUCH II AUTO BACKLIGHT: SOLUTION
Because manufacture variations are inherent in light sensors and the conditions mentioned above are inevitable, it is not always practical to use the Auto Backlight feature. This feature may be turned off in Software. If the Auto Backlight feature is not working as the client and installer intends, Vantage Controls recommends using one of the following two suggestions to control the brightness of EasyTouch II buttons.

1. Edit the LED style for EasyTouch II buttons by creating two Modes*. Each mode can use the same ON/OFF colors at very different intensities. Create two Time Controls. One for Sunrise and one for Sunset. Program the time controls to assign the appropriate Mode.

-OR-

2. Create the two Mode LED style as described in step one. Install a Vantage light sensor and program the light sensor to change the modes of all the EasyTouch II stations at once in an area.

SPECIFICATIONS

Description	Specification
Dimensions, Station HWD	Height = 4.3” (109mm) Depth = 1.38” (35mm) Width = 2.5” (64mm)
Weight, One-gang	2.9oz (82g)
Voltage	120/240V ~ 60/50Hz
Max Load	5A (600W @ 120V) / 5A (1200W @ 240V) See Load Ratings and Types*
Max **LED** Load	1A (120W @ 120V) / 1A (240W @ 240V) (See LED Dimming)**
Minimum Load	Required: 15W
Minimum Lod, No Neutral	Required: 50W, Incandescent load in first gang
Load Types	Incandescent, Magnetic Low Voltage, forward phase Fluorescent dimming ballasts, non-dimmable fluorescent ballasts (relay mode only), Neon, Cold Cathode (lpf), and HID
Built-in Lighting / Surge Protection	MOV surge suppression High-Voltage meets IEEE C62.41 (6000V and 3000A) Low-Voltage meets ITU-T K.20
Cooling	None required
Backlit Buttons	3 Color LEDs
Auto LED Intensity	Yes, Built-in/standard
IR Receiver	Yes, Built-in/standard
Status Indicator	Microprocessor Status LED
Safety Off Switch	Load by Load selectable
Station Equivalent	Each = 1 RadioLink Station
Ambient Operating Temperature	32 - 95°F (0 - 35°C)
Ambient Operature Humidity	5 - 95% Non-condensing
UL, CUL and FCC Listed	Yes

*LOAD RATINGS AND TYPES

EasyTouch II ScenePoint dimmers are available in one load configurations.

Part Number	Loads On Station	Max. Rating @120V 50/60Hz		Max Rating @ 240V 50/60Hz	
		Max. Each Station	**Max. Any Load**	**Max. Each Station**	**Max. Any Load**
RD1XXX-XXXX	1	5A, 600W	5A, 600W	5A, 1200W	5A, 1200W

INSTALLATION

Installation of Vantage products should be performed or supervised by a *Certified Vantage Installer.* Turn the circuit breaker off and make sure no voltage is present where the EasyTouch II is mounted. Damage caused by failure to disconnect power may void warranty and is a risk to the installer. Connect the wires as follows: Black to LINE, White to NEUTRAL, Red to LOAD, Green to structure’s safety GROUND. Before turning the circuit breaker on, check to see that all connections are correct (In particular, check to see that the correct wires have been connected to “Line In” and “Load Out”).

CAUTION:** This unit shall be provided with maximum 30Amps non time delay suitable branch circuit protection or equivalent. To reduce the risk of overheating and possible damage to other equipment, ***do not install to control a receptacle or a motor operated appliance. The station is shipped in “DIMMING MODE”. To change the default mode to RELAY change the Power Profile to Relay in the Software. The Relay Mode change will not take place until the system is programmed and the RF station is online.

SYSTEM REQUIREMENTS

This station is compatible with InFusion Design Center software. For complete support it is recommended that firmware and software be kept to the most current release.

INSTALLATION - MINIMUM BACK BOX DIMENSIONS

Number of Gangs	Minimum Back Box Dimensions
1	2.80”h x 1.80”w x 2.5”d
2	2.80”h x 3.60”w x 2.5”d
3	2.80”h x 5.40”w x 2.5”d
4	2.80”h x 7.20”w x 2.5”d

* ScenePoint dimmer stations are available in one load model only. Three and four gang back box dimensions are calculated by ganging single load stations together.

NOTE: UL requires one-half inch clearance between the back of the station to the back of the back box. With these dimensions most standard back boxes that have the receiving threads for the Dimmer mounting screw inside the box will be adequate. Most back boxes where the receiving threads are outside the box will be too small.

MUD RINGS
If mud rings are specified on a job it is important to test the mud rings for proper fit. Two gang mud rings, in particular, run substantially smaller than back boxes and some brands are not large enough for the station. *The only solution is to test the fit first.*

NO NEUTRAL INSTALLATION
In its standard configuration, ScenePoint with RadioLink requires a Neutral connection to operate. *Always use a neutral whenever possible.* However, if operation without Neutral is required, a “NO NEUTRAL” station must be specified when designing the project in Software. “NO NEUTRAL” stations are configured to operate without a neutral connection and are shipped from the factory without a neutral connection. When installing a “NO NEUTRAL” station, a minimum 50 Watt load must be connected to the first gang. “NO NEUTRAL” stations are pre-programmed to allow the load on the first gang to be dimmed from 0% to a maximum of 93% of full on. Relay mode must not be used in the first gang of a “NO NEUTRAL” station. Please note that new Compact Fluorescent Lights (CFLs) will not work with no neutral stations, in the first gang, unless the load is shared with incandescent loads and the incandescent load, in the first gang, meets the minimum watts per load specification.

3-WAY SWITCH APPLICATION
RadioLink ScenePoint Dimmer Stations may be used in any 3-way application. When installing a standard RadioLink ScenePoint Dimmer station - as a 3-way switch, the Red (Load Out) wire is not connected and is properly capped-off.

STATION SET UP IN SOFTWARE
Load and Button Layout: A single dimmer station has one load. Each load requires adding another gang, up to four gangs.

InFusion: In the Project Explorer click on *Style/Profile View*. Right click on *Keypad Styles* and select *Add Keypad Style*. In the Object Editor window fill in all the information for the keypad style including the EasyTouch II *Button Shape* and select SoftLine or TrimLine – Plastic for ScenePoint stations. Remember to check or uncheck the *Auto Backlight* check box to enable or disable this built-in feature. Right click on button style and setup a button style with the button color wanted. While still in *Style/Profile View*, right click on *LED Styles* and fill in the appropriate information in the *Object Editor* for EasyTouch II LEDs – Red/Green/Blue with ON and OFF colors. Next select the room, then click on *Vantage Objects* in the Object Explorer and expand *Stations, RadioLink*. From the list of stations double click on the *ScenePoint Dimmer Station* to place it in the room. In the Object Editor, name the station and make sure it is on the correct RadioLink bus port.

CONFIGURATION
RadioLink stations need to be configured to associate which physical station goes with the station in software. When the station is initially powered-up, the Status LED will blink three times followed by a pause - this means the station is powered correctly but not yet on the network. ***Before*** uploading the file to the Vantage system, do the following: From Design Center, click in the *Serial Number* section in the *Object Editor* and type in the serial number. Manually enter the serial number for each RadioLink station to match it with the corresponding programming. Please note, if the serial number contains an alpha character please ignore this when typing in serial number.

CONFIGURATION *(continued)*

The serial number of each station is located on a permanent sticker and a removable sticker on the front of the station. Remove the sticker with the number only and place on the Station Design Report for easy reference when programming. The Main Controller will add to its network and configure all the RadioLink stations that it has serial numbers for. This may take several minutes depending on the number of RadioLink stations on the network. The Status LED will remain off when a station has been added to the network and configured.

NOTE: A new feature with Design Center 2.3 and up is the ability to configure RadioLink stations the same way WireLink stations are configured, e.g., 3-button press. When configuring stations, if the *Exclude RadioLink Bus* check box, under *Settings* | *System Preferences*, is not checked, all RadioLink stations go back to non- programmed mode when the Configure Stations button on the tool bar is clicked. The EasyTouch II station LEDs will all blink between Red and Off while in configure station mode. After configuring stations and clicking the Configure Stations button again to turn configure stations mode off, all RadioLink stations need to log back on to the system before working as programmed. Allow time for this to occur.

DEFAULT MODE

EasyTouch II ScenePoints with RadioLink have a default mode that operates without programming or being connected to the Vantage System. If a ScenePoint has been programmed but communication with the controller is lost, the ScenePoint will revert to default operation. Multiple gang Dimmer loads are numbered from left to right.

Station Type	Button to Load Mapping
1-Gang Dimmer	All buttons control the load
Default LEDs	Blue = ON, White = OFF

When power is restored from a power outage the Dimmer will return the loads to the last load level. This will occur whether or not the Dimmer is connected to a system.

Button Action	Load Operation
Single Press	The load toggles between off and the learned level. The turn on ramp time is 1.5 seconds and the turn off fade time is 5 seconds
Double Press	The load ramps to 100% in 1.5 seconds. The second press must be within 1 second of the first press
Press and Hold	After a one second delay the load will ramp in the opposite direction from the last press and hold. If the load reaches 0 or 100% it will reverse direction. When the button is released the current load level will be saved as the new learned level for that button. The cycle time is 5 seconds from 0-100%.

When multiple buttons control the same load, each button will have its own learn level in default mode.

DEFAULT IR MODE

EasyTouch II ScenePoints have a built-in IR receiver. The default IR mode that is active before the station is programmed or if the station is offline is explained below.

The Scene Codes 230-239 are transmitted by the Scene buttons 1- 10 on the Vantage IR Remote Control.

The Scene buttons 1-2, Vantage codes 230-231, control loads 1 and 2 operating the same as the default operation for a button. Scene 9, code 238, will turn all station dimmer loads on. Scene 10, code 239, will turn all station dimmer loads off.

When the station is configured to the system all of the IR Scenes stop executing default operation and will not respond to IR input unless the built-in IR receiver is assigned to an IR Zone with programmed codes.

SERVICE SWITCH FOR LAMP REPLACEMENT

An OFF switch is provided to disconnect power between the Station and the fixture for lamp replacement. Service other than lamp replacement requires the breaker to be switched off.

RESET

The ScenePoint stores the configuration data locally so that it will continue to operate correctly if communication with the system is lost. This information includes: LED properties, sounder properties, load profile, last load level, and default learn levels.

To reset this information to the factory default, press and hold switches 1-3 when power is applied to the station. The board will respond by sounding three beeps to indicate that the reset took place.

INSTALLATION *(continued)*

RESET *(continued)*
After a reset the load profile will be Default, the learn levels will be 50%, the loads will all be off, and the LEDs will change to Blue for ON and White for OFF.

NOTE: If the Station Load was changed to RELAY this Process will change it back to DIM. Make sure it is back on line with the Main Controller before testing button or load operation.

REMOVING METAL TABS
Removal of metal tabs does not derate the stations load. (See *Load Ratings and Types* on page 4)

DIAGNOSTIC INFORMATION

The Status LED can be seen behind the sensor light bar. The light bar is just between the 3rd and 4th button diffusers. The Status LED is off or blinks 2, 3, 4 or 5 times followed by a pause to indicate status information.

OFF: The station is programmed and configured, or the station is not powered, a line voltage connection has not been made or the line feed breaker is off.

TWO BLINKS: Station has logged on to Controller but is not initialized. If two blinks persist more than five minutes, the station should be reset. See Reset above.

THREE BLINKS: Station is not added to the network. Verify that its serial number has been programmed into the Main Controller using Design Center or QLink and that the station is within 100 Feet of the Main Controller.

FOUR BLINKS: Dimmer problem. Please contact the factory.

FIVE BLINKS: Configuration Mode.

CLEANING BUTTONS AND FACEPLATES
- Turn the breaker to the station OFF
- Dampen a soft cloth in water and wring-out to barely damp – almost dry
- Use a light buffing motion to wipe clean
- Do not take the station apart
- Never spray station with any cleaners

FCC COMPLIANCE INFORMATION

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.

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, the user is encouraged to try to correct the interference by one or more of the following measures:

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

Changes or modifications to this product not expressly approved by Vantage Controls could void the user's authority to operate this product.

CHANGING THE NUMBER OF BUTTONS

EasyTouch II keypads will support 1 to 5 buttons. The number of buttons may be changed on a keypad after it has been installed by following these instructions.

Turn the circuit breaker off and make sure no voltage is present at the ScenePoint station being modified.

1. Change the software file to the new number of buttons with proper engraving.

2. Order the new buttons for proper engraving.

3. Disconnect power from the station.

4. Replace the old button configuration with the new button configuration using the chart example below.

5. When finished replacing the buttons and the station is fully assembled, test the new buttons operation.

PROPER BUTTON ASSEMBLY OF EASYTOUCH II STATIONS

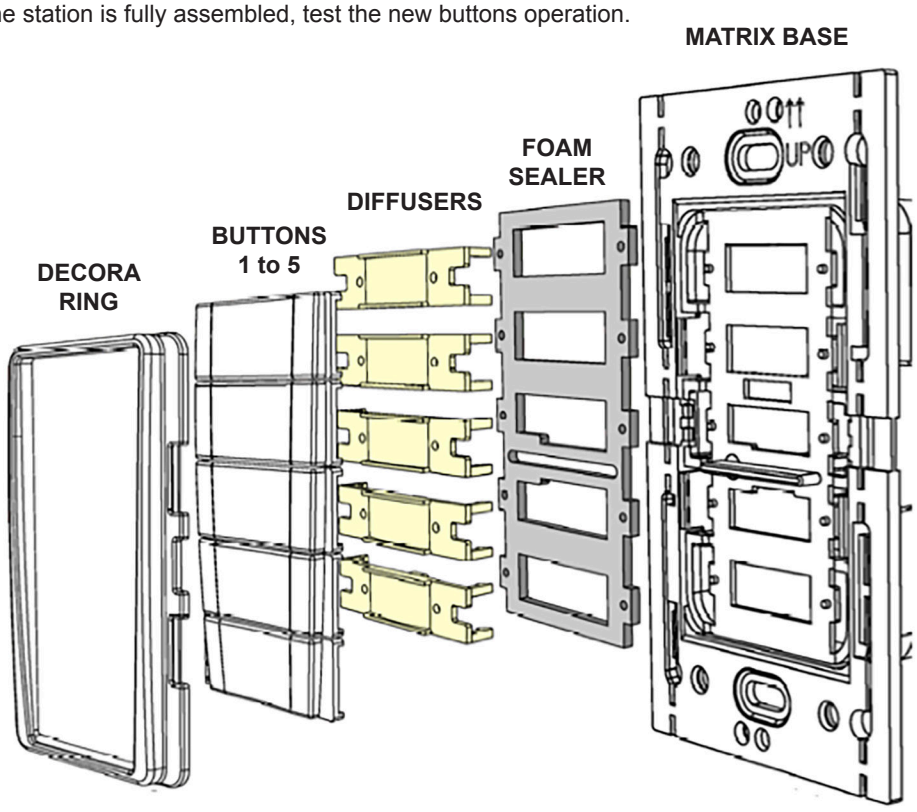
Disassemble:

1. *Faceplate:* Remove faceplate.

2. *Decora Ring:* Remove Decora button ring.

3. *EasyTouch II Buttons:* Remove buttons that need replaced.

4. *LED Button Diffuser:* Remove or add diffusers for new button configuration, using the examples on the next page.



Assemble:

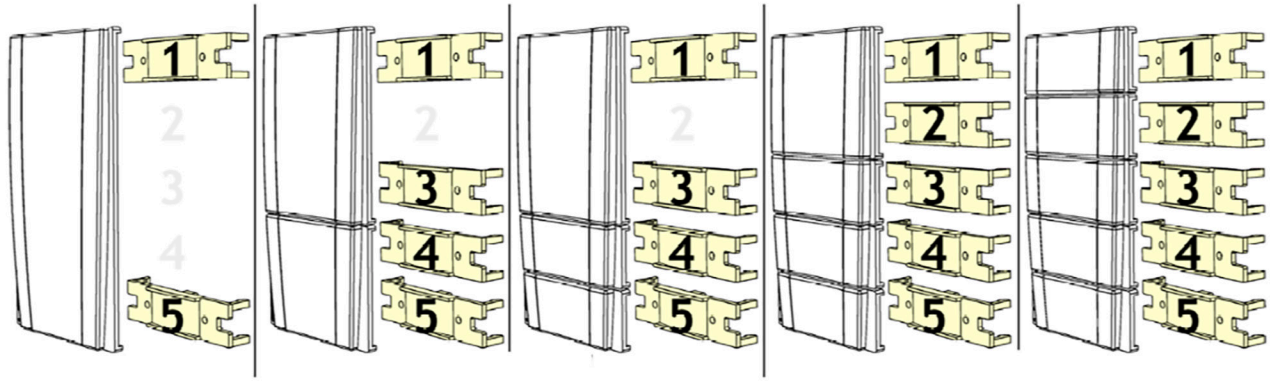
1. LED Diffusers: Double check diffusers are in the correct position.

2. Buttons: Place buttons in proper positions for new configuration. Buttons must be in the correct position following tapered design from top to bottom. Buttons have a small number on the back border, 1 is top and 5 is bottom.

3. Decora Button Ring: Replace, securely snaps in place.

4. Faceplate: Replace.

BUTTONS DIFFUSERS



ONE BUTTON DIFFUSERS 1 and 5

TWO and THREE BUTTON DIFFUSERS 1, 3, 4 and 5

FOUR and FIVE BUTTON DIFFUSERS 1 - 5

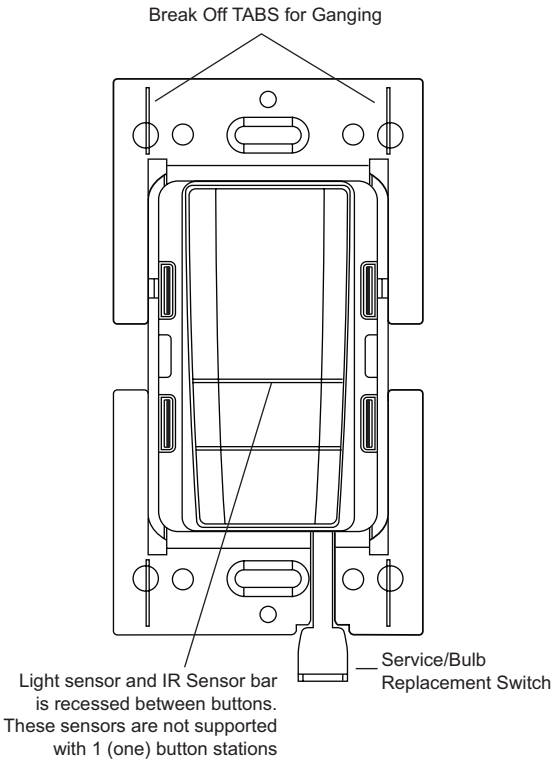
IMPORTANT LED LIGHTING INFORMATION

LED DIMMING

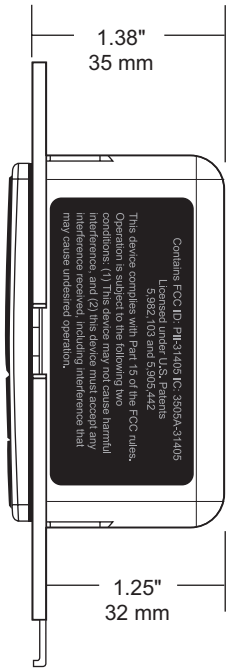
Vantage is leading the way in LED lighting control through innovations of new hardware and software products. However, industry standards are still undefined for dimming LED lamps and fixtures. Dimming performance of LED lighting cannot be guaranteed even when applying the correct dimming technology specified by the LED manufacturer. While Vantage may be consulted when performance issues are present, Vantage will not be liable for on-site performance issues. Vantage recommends the following to assist installers and lighting specifiers.

- Check Vantage's online library of LED product test reports prior to installing LED products to be dimmed by Vantage dimmers.
- We offer *on-demand product testing* of untested LED products.
  – Please contact Vantage for details regarding this service.
- Selecting a tested product greatly increases the likelihood of successful dimming. However, LED product tests are performed under laboratory conditions with a set number of samples and a quality power source.
- There are many factors that may contribute to unsatisfactory results within a specific installation, including, but not limited to,
  - – line noise originating from electrical equipment within the premises,
  - – line noise from the source (particularly with local generators or inverters),
  - – interference between dimmed LED products,
  - – wiring conditions (i.e., shared neutrals, loose neutrals, incorrectly bonded neutral, or grounding issues), and
  - – LED product variances including,
    - • unintended batch-related variances, and
    - • product revisions.

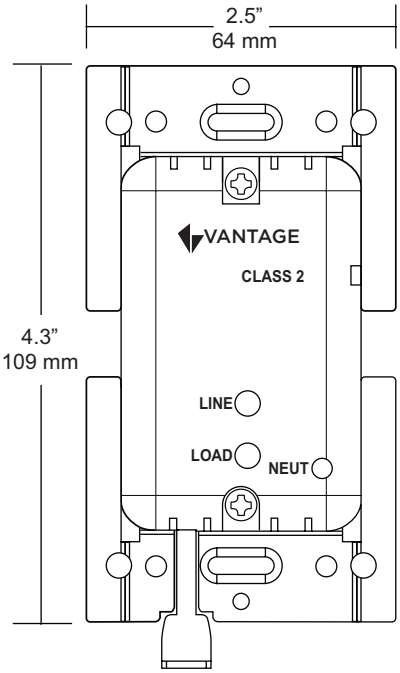
MULTI-VIEW LINE DRAWING - RD1XXX-XXXX



FRONT VIEW



SIDE VIEW



BACK VIEW

WARRANTY INFORMATION	INFORMATIONS RELATIVES À LA GARANTIE	INFORMACIÓN DE LA GARANTÍA
Wattstopper/Vantage warranties its products to be free of defects in materials and workmanship for a period of five (5) years. There are no obligations or liabilities on the part of Wattstopper for consequential damages arising out of, or in connection with, the use or performance of this product or other indirect damages with respect to loss of property, revenue or profit, or cost of removal, installation or reinstallation.	Wattstopper/Vantage garantit que ses produits sont exempts de défauts de matériaux et de fabrication pour une période de cinq (5) ans. Wattstopper ne peut être tenu responsable de tout dommage consécutif causé par ou lié à l'utilisation ou à la performance de ce produit ou tout autre dommage indirect lié à la perte de propriété, de revenus, ou de profits, ou aux coûts d'enlèvement, d'installation ou de réinstallation.	Wattstopper/Vantage garantiza que sus productos están libres de defectos en materiales y mano de obra por un período de cinco (5) años. No existen obligaciones ni responsabilidades por parte de Wattstopper por daños consecuentes que se deriven o estén relacionados con el uso o el rendimiento de este producto u otros daños indirectos con respecto a la pérdida de propiedad, renta o ganancias, o al costo de extracción, instalación o reinstalación.

No. IS-0467 – Rev. 4 10/24

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