



# Installation

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## RadioLink® AccentPoint Dimmer II — APDIM

### Overview

The Vantage AccentPoint Dimmer II connects to the Vantage Control System through RadioLink®. It enables a lamp and other similar type loads to be controlled by a keypad, timed event, IR button, etc. It has two loads and one button for each load with default programming to allow for local control whether it is communicating with the Vantage system or not.

### Specifications

| Description                   | Specification  |
|-------------------------------|--|
| Dimensions, HWD               | 4.125" x 3.125" x 1.25"<br>107.95mm x 79.37mm x 31.75mm                        |
| Weight                        | 5.5 oz - 156g  |
| Mounting                      | Plugs into standard 120VAC Outlet  |
| Voltage                       | 120V, 60Hz   |
| Max. Current per Load         | 2.5A Each Load   |
| Max. Watts Per Load           | 300W@120V  |
| Lightning / Surge Protection  | High Voltage meets IEEE C62.41 (6000V & 3000A)<br>Low Voltage meets ITU-T K.20 |
| Station Equivalent            | 1 RadioLink Station  |
| Ambient Operating Temperature | 32 - 95°F -or- 0 - 35°C  |
| Ambient Operating Humidity    | 5 - 95% non-condensing   |
| LED Indicator                 | Status   |
| Load Types                    | incandescent or low voltage magnetic fixtures only                             |
| UL and CUL Listed             | Yes  |
| FCC                           | Yes  |

### System Requirements

This station is compatible with InFusion Design Center Systems. For new projects 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*.

1. Make sure the lamp to be controlled is turned ON.
2. Plug the lamp into the load 1 or load 2 outlet on the bottom of the AccentPoint.
3. Plug the AccentPoint into the bottom receptacle of a power outlet. Notice the plug of the AccentPoint Dimmer II Station may be rotated 180°. If the GND prong on the outlet is UP, rotate the plug as illustrated so the Load Outlets are facing down (recommended).
4. The lamp is now ready to be controlled by the Vantage system.

### Steps to Rotate the Outlet

The plug should only be rotated once. Only rotate when necessary as described in step 3 above.

1. Use a precision grade Phillips #1 screw driver to remove the screw from the plug assembly of the station.
2. Pull the plug assembly out by hand and rotate it 180°
3. Reinsert the plug by hand. Line it up and press it in until the face of the plug assembly is flush with the case.
4. Fasten the plug assembly with the screw removed in step 1.
5. Do not over tighten.

### Station Set Up in Design Center Software

1. Select the room
2. Click on *Vantage Objects* in the *Object Explorer* and expand *Stations, RadioliLink*.
3. From the list of stations double click on the AccentPoint Dimmer II station to place it in the room.

4. In the *Object Editor*, name the station and make sure it is on the correct RadioLink bus port.

### Configuration

RadioliLink 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:

1. In Design Center with the AccentPoint Dimmer II highlighted, in the *Object Editor* click in the *Serial Number* section
2. Manually type in the serial number of the AccentPoint Dimmer II station. enter the serial number for each RadioLink
3. Repeat for each AccentPoint Dimmer II station
4. *TIP:* The serial number of each station is located on a permanent sticker on the station. Record this number for easy reference when programming in Design Center.
5. When the InFusion System is programmed, the Main Controller will add all RadioLink stations that it has serial numbers for. This may take several minutes depending on the number of RadioLink stations on the network.
6. The Status LED will blink steadily when logged on to the network.

### Device Operation

The AccentPoint Dimmer II is designed to be controlled from a separate keypad, timed event or other control on the Vantage System. It also has a button for local control of each load. The button operates with default programming whether or not the device is communicating with the Vantage System. The default programming is shown in the table below:

| Button Action  | Load Operation   |
|----------------|--|
| Single Press   | The load toggles between off and the learned level (default is 100%). The turn on ramp time is 1.5 second and the turn off fade time is 5 seconds.   |
| Double Press   | The load ramps to 100% in 1 second. 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 power is restored from a power outage the device will return the loads to the last load level. This will occur whether or not the Dimmer is connected to a system.

### Local Control

The AccentPoint Dimmer II also has a feature that allows the lamp to be turned on from the switch on the lamp itself. If the lamp is being controlled by the AccentPoint Dimmer II and it is currently in the "off" state, turn the switch on the lamp, to the "off" position and then back to the "on" position. This will cause the AccentPoint Dimmer II to turn the lamp on at the learned level and report the status change to the Vantage Main Controller. This feature can be disabled in Design Center by checking the *Disable Manual* box.

### Reset

Configuration data is stored locally so that it will continue to operate correctly if communication with the system is lost. This information includes: LED properties, load profile, last load level, and default learn levels. To reset this information to the factory

default, unplug the device, press and hold both buttons in and plug it in while holding the buttons down. After a reset the load profile will be Default, the learn levels will be 100%, the load will be off, and other settings will be at factory default.

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 relay load operation.

**\*CAUTION:** The station is shipped in "DIMMING MODE". To change the default mode to RELAY change the Power Profile to Relay in Software. The Relay Mode change will not take place until the system is programmed and the RF station is on line. A motor should not be connected to the AccentPoint Dimmer station, instead use the AccentPoint Relay station.

**Diagnostic Information**

A red Status LED is located on top of the device. The Status LED blinks evenly or flashes 2, 3, or 4 times followed by a pause to indicate status information.

**Off:** The station is not powered. A line voltage connection has not been made or the line feed breaker is off.

**One Even blink:** Station is operating correctly and is configured.

**Two blinks:** 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 and that the station is within 100 Feet of the RFE1000.

**Four blinks:** Lamp Dimmer problem. Please contact the factory.

**FCC Compliance Information:**

FCC ID: PII-AP2RL

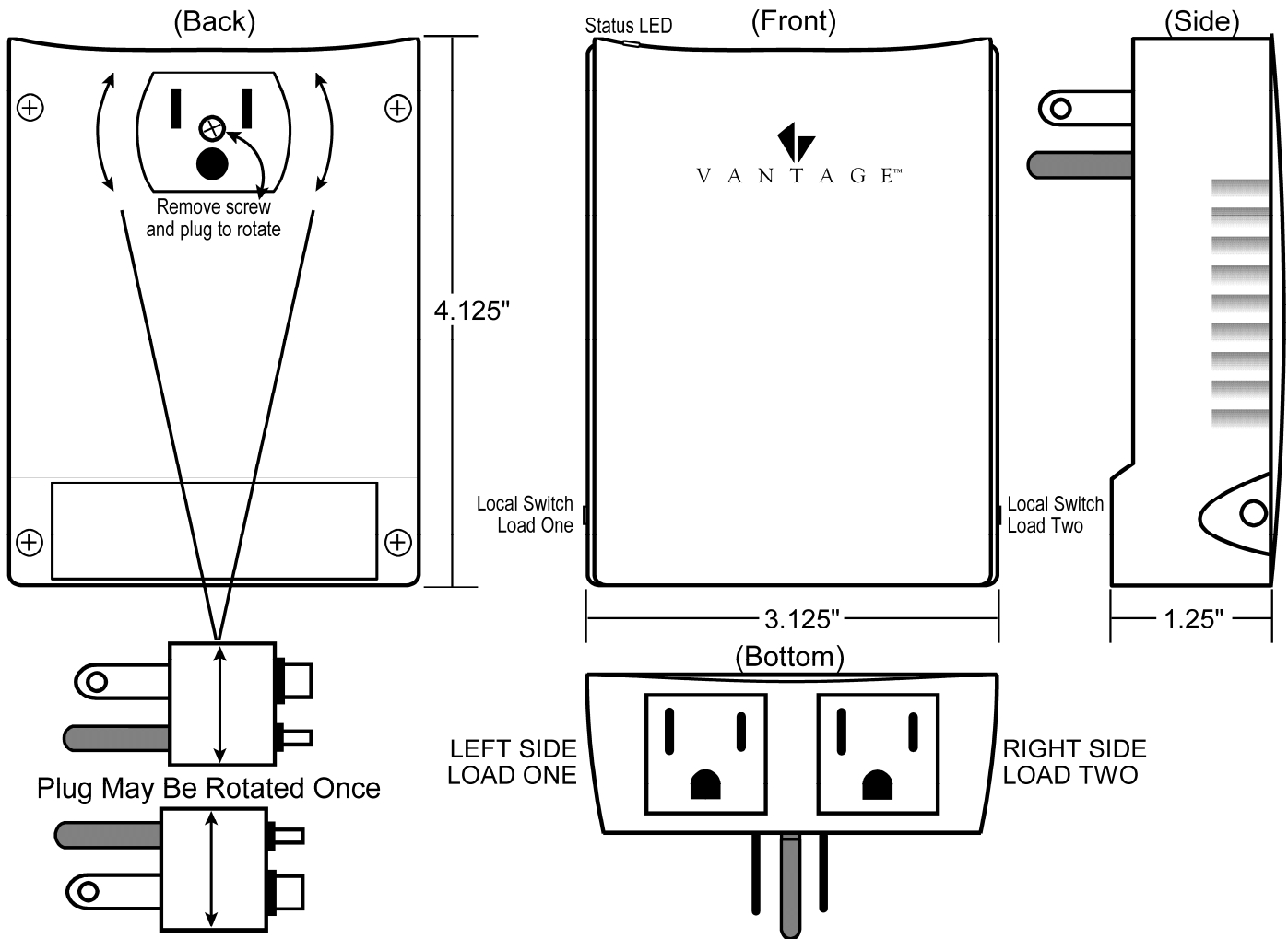
IC: 3505A-AP2RL

The enclosed 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.*





RadioLink® AccentPoint Relay II — APREL

Overview

The Vantage AccentPoint Relay II connects to the Vantage Control System through RadioLink®. It enables an appliance to be controlled by a keypad, timed event, IR button, etc. It has two loads and one button for each load with default programming to allow for local control of the appliance whether the station is communicating with the Vantage system or not.

Specifications

Table with 2 columns: Description, Specification. Rows include Dimensions, Weight, Mounting, Voltage, Max. Load, Lightning / Surge Protection, Station Equivalent, Ambient Operating Temperature, Ambient Operating Humidity, LED Indicator, Load Types, UL and CUL Listed, FCC.

System Requirements

This station is compatible with InFusion Design Center Systems. For new projects 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.

- 1. Make sure the appliance to be controlled is turned OFF.
2. Plug the appliance into the load 1 or load 2 outlet on the bottom of the AccentPoint.
3. Plug the AccentPoint into the bottom receptacle of a power outlet. Notice the plug of the AccentPoint Relay II Station may be rotated 180°. If the GND prong on the outlet is UP, rotate the plug as illustrated so the Load Outlets are facing down (recommended).
4. Turn the appliance switch to ON
5. It is now ready to be controlled by the Vantage system.

Steps to Rotate the Outlet

The plug should only be rotated once. Only rotate when necessary as described in step 3 above.

- 1. Use a precision grade Phillips #1 screw driver to remove the screw from the plug assembly of the station.
2. Pull the plug assembly out by hand and rotate it 180°
3. Reinsert the plug by hand. Line it up and press it in until the face of the plug assembly is flush with the case.
4. Fasten the plug assembly with the screw removed in step 1.
5. Do not over tighten.

Station Set Up in Design Center Software

- 1. Select the room
2. Click on Vantage Objects in the Object Explorer and expand Stations, RadioLink.
3. From the list of stations double click on the AccentPoint Relay II station to place it in the room.
4. 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:

- 1. In Design Center with the AccentPoint Relay II highlighted, in the Object Editor click in the Serial Number section
2. Manually type in the serial number of the AccentPoint Dimmer II station. enter the serial number for each RadioLink
3. Repeat for each AccentPoint Relay II station
4. TIP: The serial number of each station is located on a permanent sticker on the station. Record this number for easy reference when programming in Design Center.
5. When the InFusion System is programmed, the Main Controller will add all RadioLink stations that it has serial numbers for. This may take several minutes depending on the number of RadioLink stations on the network.
6. The Status LED will blink steadily when logged on to the network.

Device Operation

The AccentPoint Relay II is designed to be controlled from a separate keypad, timed event or other control on the Vantage System. It also has a button for local control of each load. The buttons operate with default programming whether or not the device is communicating with the Vantage System. Pressing the buttons toggle the loads on and off.

When power is restored from a power outage the device will return the load to the last load state. This will occur whether or not the station is connected to a system.

Reset

The device stores the configuration data locally so that it will continue to operate correctly if communication with the system is lost. To reset this information to the factory default, unplug the device, press and hold both buttons in and plug it in while holding the buttons down. After a reset the load will be off, and other settings will be at factory default.

Note: Make sure it is back on-line with the Master Controller before testing button or load operation.

**Diagnostic Information**

A red Status LED is located on top of the device. The Status LED blinks evenly or flashes 2, 3, or 4 times followed by a pause to indicate status information.

**Off:** The station is not powered. A line voltage connection has not been made or the line feed breaker is off.

**One Even blink:** Station is operating correctly and is configured.

**Two blinks:** 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 QLink and that the station is within 100 Feet of the RFE1000.

**Four blinks:** AccentPoint Relay II problem. Please contact the factory.

**FCC Compliance Information:**

FCC ID: PII-AP2RL

IC: 3505A-AP2RL

The enclosed 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.

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