INSTALLATION INSTRUCTIONS

A. Single Pole (One location) or 3-Way (Multi-location) Scene Capable Incandescent Dimmer

Cat. No. VR110-1L, 1000W (Lighted)
120VAC, 60Hz

WARNINGS AND CAUTIONS:
• Dimmer may not operate with diode lamps (Sylvania Designer 16™ or Philips PAR-16™).
• Total load must exceed 400W.
• Dimmer may feel warm to the touch during normal operation.
• Recommended minimum wall box depth is 2-1/2”.
• Maximum wire length from dimmer to all installed remotes cannot exceed 300 feet.
• Disconnect power at circuit breaker or fuse when wiring, installing or removing fixture.

NOTE: Use only one (1) Vizia RF™ dimmer in a multi-location circuit with up to 9 coordinating remotes (without LEDs) or up to 4 matching remotes (with LEDs). The remote(s) will turn the light on at the brightness level selected at the dimmer.

INTRODUCTION
Leviton’s Vizia RF™ components are designed to communicate with each other via Radio Frequency (RF) to provide remote control of your lighting. Using RF technology allows Leviton to provide the greatest signal integrity possible. Each module in Leviton’s Vizia RF™ component line is a 2-way “smart” device, a 3-way “smart” device, a 3-Way coordinating remote or a scene-capable incandescent dimmer. The device’s internal circuitry will re-transmit the RF signal from one device to another until the intended device is reached. This ensures that the signal is not transmitted by its intended device by routing the signal around obstacles and radio dead spots. The Scene Capable Incandescent Dimmer is compatible with any 2-Wave™ enabled network, regardless of the manufacturer and can also be used with other devices displaying the 2-Wave™ logo.

CAUTION:
Remember to exercise good common sense when using the Timer features of your remote, especially when scheduling unattended devices. There can be some unexpected consequences if not used with care. For example, an empty coffee pot can be remotely called on and heated to boiling temperature. Another example is the ability to turn an oven off and then turn it back on from overnight. If an electric heater is turned on by remote control while clothing is draped over it, a fire could result. Do NOT use the remote for the control of high power heating appliances such as portable heaters. This device will not control lighting that is fed with electronic low-voltage and high frequency power supplies transformers, nor high pressure discharge lamps (HID lighting). This includes mercury-vapor, sodium vapor and metal halide lamps.

FEATURES
• RF reliability
• Compatible with other Z-Wave® enabled devices
• Scene Capable
• Flexible use with incandescent or 120V halogen fixtures only.
• To avoid overheating and possible damage to other equipment, do not control a receptacle, fluorescent lighting, a motor- or a transformer-operated appliance.

Step 1: Installing your Dimmer

1. First Traveler wall box wire to Red dimmer lead.
2. Remove Red insulating label from Yellow/Red dimmer lead.
3. Second Traveler wall box wire to First Traveler wall box wire.

NOTES:
• Use check boxes when Steps are completed.
• Recommended minimum wall box depth is 2-1/2”.

NOTE: The device may include color options. To change color of the Dimmer:

Step 2: Identifying your wiring application

NOTE: If the wiring in the wall box does not resemble any of these configurations, consult a qualified electrician.

1. Line (Hot)
2. Neutral
3. Load

WIRING DIMMER:
Connect wires per WIRING DIAGRAM as follows:
• Green or bare copper wire (in wall box) to Green dimmer lead.
• Line Hot wall box wire to Black dimmer lead.
• Load wire to Red dimmer lead.
• Yellow/Red dimmer lead should have Red insulation labeled.

IMPORTANT: 3-Way applications – note that one of the screw terminals from the old switch being removed will usually be a different color (Black) or labeled Common. Tag the wire with electrical tape and identify as the common (Line or Load) in both the dimmer wall box and remote wall box.

Step 3: Preparing and connecting wires:

1. Strip Gage (measure bare wire here or use gauge on gage tab)
2. Wire Nut and Conduit Size Chart

Step 4: 3-Way Wiring with Coordinating Remote (no LEDs) Application:

1. Connect wires per WIRING DIAGRAM as follows:
2. Load wire to Red dimmer lead
3. Neutral wire to Green dimmer lead
4. Line Hot wall box wire to Black dimmer lead

NOTE: The 3-Way Coordinating Remote Dimmer may be installed on either the Load or Line side of the 3-way circuit. A Neutral wire to the remote must go to the terminal screw marked “LN”.

NOTE: Use only one (1) Vizia RF™ dimmer in a multi-location circuit with up to 9 coordinating remotes (without LEDs) or up to 4 matching remotes (with LEDs). The remote(s) will turn the light on at the brightness level selected at the dimmer.

Step 4c: 3-Way Wiring with Matching Remote (LEDs) Application:

1. Connect wires per WIRING DIAGRAM as follows:
2. Load wire to Red dimmer lead
3. Neutral wire to Green dimmer lead
4. Line Hot wall box wire to Black dimmer lead

NOTE: The Matching Dimmer Remote may be installed on either the Load or Line side of the 3-way circuit. A Neutral wire to the remote must go to the terminal screw marked “LN”.

NOTE: If you are unsure about any part of these instructions, consult a qualified electrician.

NOTE: The matching remote device must be installed in a wall box with a Line Hot connection and a Neutral connection. A Neutral wire to the matching remote-needs to be added as shown. If you are unsure about any part of these instructions, consult a qualified electrician.

NOTE: Use check boxes when Steps are completed.

Step 5: Preparing and connecting wires:

1. Strip Gage (measure bare wire here or use gauge on gage tab)
2. Wire Nut and Conduit Size Chart

Step 6: 3-Way Wiring with Matching Remote (LEDs) Application:

1. Connect wires per WIRING DIAGRAM as follows:
2. Load wire to Red dimmer lead
3. Neutral wire to Green dimmer lead
4. Line Hot wall box wire to Black dimmer lead

NOTE: The Matching Dimmer Remote may be installed on either the Load or Line side of the 3-way circuit. A Neutral wire to the remote must go to the terminal screw marked “LN”.

NOTE: Use check boxes when Steps are completed.

Step 7: Preparing and connecting wires:

1. Strip Gage (measure bare wire here or use gauge on gage tab)
2. Wire Nut and Conduit Size Chart

Step 8: 3-Way Wiring with Matching Remote (LEDs) Application:

1. Connect wires per WIRING DIAGRAM as follows:
2. Load wire to Red dimmer lead
3. Neutral wire to Green dimmer lead
4. Line Hot wall box wire to Black dimmer lead

NOTE: The Matching Dimmer Remote may be installed on either the Load or Line side of the 3-way circuit. A Neutral wire to the remote must go to the terminal screw marked “LN”.

NOTE: Use check boxes when Steps are completed.
**Step 6: Installing the module**

**Dimmer Mounting**: Press the Push Pad until Locator light is OFF.

**Partially screw in mounting screws in wall**

**NOTE**: Make sure that the word “TOP” is facing up.

**NOTE**: Your dimmer is in the Exclusion mode and the Locator LED is ON on the dimmer.

**Dress wires with a bend relief**

**NOTE**: Relieve stress when mounting as shown in diagram.

**NOTE**: Do not turn ON, refer to the TROUBLESHOOTING section.

**Step 9: Excluding Dimmer from Network:**

**NOTE**: It is very important to accurately exclude devices from the network when removing or replacing a device from a Z-Wave™ network. This ensures the network functions correctly. Your dimmer’s controller/Programmer’s information table and is not counted on to be a part of the network. Consult your controller/Programmer’s information table and verify Exclusion and the Locator LED will turn OFF on the dimmer.

**Air-Gap Switch**: On the dimmer, only engage the Air-Gap Switch by pushing the center button to the top of the push pad until the bottom light of the button is illuminated. If the button is not heard (refer to Fig. 6) the Locator LED will turn OFF. This will return the module to its last setting.

**Clearing**: Clean with a damp cloth. Do not use chemical cleaners.

**ADVANCED FEATURES**

**Definition of A Modes**

**LED Options**

**Definition of B Modes**

**LED Options**

**Definition of LEDs**

**Notes**

**PROGRAM MODE A**

**LED Options**

**PROGRAM MODE B**

**LED Options**

**TROUBLESHOOTING**

**Problem: Light does not turn ON and Locator LED does not turn ON**

**Possible Cause**

**Solution**

**Notes**

**SPECIFICATIONS**

**Rated Input**

**Limited Warranty**

**CABLE COMPLIANCE STATEMENT**

This equipment has been tested and found to comply with the limits for a Class B Digital Equipment, pursuant to Part 15 of the FCC Rules. This equipment is designed to be connected to an installation designed against harmful interference in a residential installation. This equipment generates and uses 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 of the following means:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the 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.

Lutron warrants to the original consumer purchaser and not for the benefit of anyone else that this product at the time of sale is free from defects in material and workmanship. This warranty is limited to the repair or replacement, at Lutron’s option, of any defective unit which is returned within five years from date of original purchase, with proof of purchase. This warranty does not cover any damage resulting from accident, misuse, abuse, alteration, or, in any manner, as not under normal operating conditions or not in accordance with any instructions or directions. There are no implied warranties of any kind, including merchantability and fitness for a particular purpose, but any implied warranty is hereby limited in its duration to five years from date of original purchase.