**INTRODUCTION**

Leviton’s Vizia RF+™ Z-Wave® 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 Z-Wave® enabled device. In a Z-Wave® network, each device is designed to act as a router. These routers will re-transmit the RF signal from one device to another until the intended device is reached. This ensures that the signal is received by its intended device by routing the signal around obstacles and radio dead spots. The Z-Wave® Capable Electronic Switch is compatible with any Z-Wave® enabled network, regardless of the manufacturer and can also be used with other devices displaying the Z-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 turned off. If that should happen, your coffee pot could be damaged from overheating. 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 used with electronic low voltage and high frequency power supply transformers, nor high pressure discharge lamps (HID lighting). This includes mercury-vapor, sodium vapor and metal halide lamps.

**FEATURES:**
- Switch On/Off
- Scene Capable
- ON/OFF LED
- Two way communication
- RF reliability
- Ease of installation – No new wiring
- Compatible with other Z-Wave® enabled devices

**Tools needed to install your Switch:**
- Phillips Screwdriver
- Electrical Tape
- Pliers
- Ruler

**Changing the color of your Switch:**
Your switch includes three color options. The switch ships with the White frame attached. To change color of frame, proceed as follows:
- Press in sides at tab to release
- Line up tabs and press in sides at a time to attach

**INSTALLING YOUR SWITCH**

**NOTE:** Use check boxes [ ] when Steps are completed.

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**WARNING:** To avoid fire shock or death; turn off power at circuit breaker or fuse and test that power is off before wiring!

**WARNING:** To be installed and/or used in accordance with appropriate electrical codes and regulations.

**NOTES:**
- Recommended minimum wall box depth is 2-1/2”.
- Maximum wire length from dimmer to all installed remotes cannot exceed 300 ft (90 m).
- Disconnect power at circuit breaker or fuse when servicing, installing or removing fixture.
- Use this device only with copper or copper clad wire. With aluminum wire use only devices marked CI/ALR or CUA.

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**Step 1**

**WARNING:** To avoid fire shock or death; turn off power at circuit breaker or fuse and test that power is off before wiring!

**Step 2**

**Identifying your wiring application (most common):**

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

**Step 3**

**Preparing and connecting wires:**

This switch can be used with wire terminal screws or through backwire openings. Choose appropriate wire stripping specifications accordingly.

**Step 4a**

**Single Pole Wiring Application:**

**Step 4b**

**3-Way Wiring with Coordinating Remote**

**NOTE:** When using the coordinating remote without LEDs, the switch can be installed on either the Line or Load side of the 3-way circuit.

**NOTE:** Maximum wire length from switch to last installed remote cannot exceed 300 ft (90 m).
- Green or bare copper wire in wall box to Green terminal screw or Green switch lead.
- Line Hot (common) wall box wire identified (tagged) when removing old switch to switch terminal screw marked “BK” or Black switch lead.
- First Traveler wall box wire to terminal screw marked “RD” or Red switch lead.
- Second Traveler wall box wire to terminal screw marked “YL/RD” or Yellow/Red switch lead.
- Yellow/Red switch lead.

**NOTE:** If insulating label is not affixed to terminal screw marked “YL/RD”, use electrical tape to cover.

**Step 4b cont’、“**

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

**Coordinating Remote**

**NOTE:** If insulating label is not affixed to terminal screw marked “WH”, use electrical tape to cover.

**Step 5**

**WARNING:** To avoid fire shock or death; turn off power at circuit breaker or fuse and test that power is off before wiring!

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**DI-002-VRS05-02A-X1**

**Single Pole (One location) or 3-Way (Multi-location)**

**Scene Capable Incandescent Switch**

**Cat. No.: VRS05-1L (Lighted)**

**Incandescent: 5A – 120VAC, 60Hz**

**INSTALLATION INSTRUCTIONS**

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**WARNINGs AND CAUTIONs:**
- To use only one (1) Vizia RF+™ Scene Capable Switch in a multi-location circuit with up to 9 coordinating remotes (without LEDs) or up to 4 matching remotes (with LEDs). The remotes will turn the load on “at the level selected” for dimmers only and control.
- Disconnect power at circuit breaker or fuse when servicing, installing or removing fixture.
- Use this device only with copper or copper clad wire. With aluminum wire use only devices marked CI/ALR or CUA.

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**WIRING SWITCH:**
Connect wires per WIRING DIAGRAM as follows:

**NOTE:** When using the coordinating remote without LEDs, the switch can be installed on either the Line or Load side of the 3-way circuit.

**Maximum wire length from switch to last installed remote cannot exceed 300 ft (90 m).**
- Green or bare copper wire in wall box to Green terminal screw or Green switch lead.
- Line Hot (common) wall box wire identified (tagged) when removing old switch to switch terminal screw marked “BK” or Black switch lead.
- First Traveler wall box wire to terminal screw marked “RD” or Red switch lead.
- Second Traveler wall box wire to terminal screw marked “YL/RD” or Yellow/Red switch lead (note wire color). This traveler from the switch must go to the terminal screw of the switch marked “RD”.
- Remove Red insulation label from terminal screw marked “YL/RD” or Yellow/Red switch lead.
- Yellow/Red switch lead.

**WIRING COORDINATING REMOTE:**
Connect wires per WIRING DIAGRAM as follows:

**Maximum wire length from switch to last remote is 300 ft (90 m).**
- Green or bare copper wire in wall box to Green terminal screw.
- Load wall box wire identified (tagged) when removing old switch to terminal screw marked “BK”.
- Load wall box wire to terminal screw marked “RD”.
- Switch terminal screw marked “YL/RD” should have Red insulation label affixed.

**NOTE:** If insulating label is not affixed to terminal screw marked “YL/RD”, use electrical tape to cover.

**Step 5**

**WARNINGs AND CAUTIONs:**
- To use only one (1) Vizia RF+™ Scene Capable Switch in a multi-location circuit with up to 9 coordinating remotes (without LEDs) or up to 4 matching remotes (with LEDs). The remotes will turn the load on “at the level selected” for dimmers only and control.
- Disconnect power at circuit breaker or fuse when servicing, installing or removing fixture.
- Use this device only with copper or copper clad wire. With aluminum wire use only devices marked CI/ALR or CUA.

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- Remove Red insulation label from terminal screw marked “YL/RD” or Yellow/Red switch lead.
- Yellow/Red switch lead.
If lights do not turn ON, refer to the troubleshooting section.

Switch Mounting: TURN OFF POWER AT BOTH TERMINAL BLOCKS. Installation may now be completed by tightening mounting screws into wall box. Attach wallplate.

Restoring Power: Restore power at circuit breaker or fuse. Installation is complete.

Including Switch into Z-Wave Network:

A) If using a Leviton Z-Wave® Programmer/Controller, Cat. No. VRCPG, press the Menu button and scroll down to System Setup Menu. Choose Advanced Settings. Press the center button to select System Setup Menu. Choose Advanced Settings. Choose the center button to select Network. B) While pressing the center button (approximately 1 foot), press the center button to <Exclude> device from the network.

Programmer/Controller
Cat. No. VRCPG

NOTE: A programmer/controller is in the inclusion mode and the associated LED on the switch will flash Amber while the inclusion mode is active. If the switch is flashing Amber while in the inclusion mode, the Programmer/Controller is still trying to communicate with the switch. Wait until the device stops flashing, then press the push pad. Factory Default
D) The Primary Programmer/Controller will assign a node id number (Name) to be used for future reference. E) The switch is now included in the network. If the switch has successfully included itself in the network and the user tries to Include it again without first excluding it from the network, the switch will retain the last node id it has received and ignore the second.

Programmer/Controller
Cat. No. VRCPG

NOTE: Programmer/Controller must be in close proximity to switch during inclusion in the network.

ADVANCED PROGRAMMING FEATURES

Definition of Mode

MODE
- The LED option will automatically be changed.

OPERATION

NOTE: The light will illuminate when the load is in the OFF position of this device. Light will not turn ON. Program/Controller in the OFF position of the device.

Push Pad (Default Setting)

Turn ON from OFF position

Tap – Lights turn OFF

Turn OFF from ON position

Tap – Lights turn OFF

If there is a power outage, when the power is restored, the lights will return to the last setting before the power interruption.

Cleaning: Clean with a damp cloth. DO NOT use chemical cleaners.

Troubleshooting

- Lights Flickering
- Lamp has a bad connection.
- In some cases it may be necessary to reset the switch to its original factory settings. To accomplish this, proceed as follows:

1. On the switch, engage the air gap switch by gently pressing the tap push pad until the button (approximately 1 foot) from the device and a click is heard (refer to figure). Wait 5 seconds and then press the push pad back into the frame and hold push pad until the locatort LED turns Amber and then flashes Red. The switch is now reset. Once the switch is reset it will not be necessary to re-Include it to a network before it can be used.

2. Approach the switch to the program/controller and press the center button until the LED on the switch turns solid Red while including, there has been a communication failure. Refer to troubleshooting section.

CAUTION: SETTING A DEVICE TO A FACTORY DEFAULT THAT DUPLICATES A SERVICE FROM A NETWORK, THE EXCLUSION PROCEDURE MUST STILL BE PERFORMED BY THE USER FROM THE PRIMARY CONTROLLER'S INFORMATION TABLE. FAILURE TO DO SO MAY RESULT IN SYSTEM THAT IS SLOW TO RESPOND, OR MAY FAIL TO RESPOND TO SOME DEVICES.

FCC COMPLIANCE STATEMENT

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 instruction manual, 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 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.

For additional information, contact Leviton’s Technical at 1-800-824-3005 or visit Leviton’s website at www.ViziaRF+.com

Limited 5 Year Warranty and Exclusions

Leviton warrants to the original consumer purchaser and not for the benefit of anyone else that this product at the time of its sale by Leviton is free of defects in materials and workmanship under normal and proper use for five years from the purchase date. Leviton’s only obligation is to correct such defects by repair or replacement, at its option, if within such five year period the product is returned prepaid, with proof of purchase date, with description of the problem to Leviton Manufacturing Co., Inc., Attn: Quality Assurance Department, 59-25 Little Neck Parkway, Little Neck, New York 11362-2591. This warranty excludes and is disclaimed liability for labor for removal of this product or reinstatement. This warranty is void if this product is installed improperly or in an improper environment, overloaded, missused, opened, abused, or altered in any manner, or not used under normal operating conditions or not in accordance with any labels or instructions. There are no other express or implied warranties of any kind, including merchantability and fitness for a particular purpose. In no event shall Leviton be liable for incidental, indirect, special, or consequential damages, including without limitation, damage to, or loss of use of, any equipment, lost sales or profits or delay or failure to perform any of the terms. The remedies provided herein are the exclusive remedies under this warranty, whether based on contract, tort or otherwise.