**WARNINGS AND CAUTIONS**

- Use only one (1) Vizia™ 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.

- Vizia™ dimmers are not compatible with standard 3-way or 4-way switches. They must be used with compatible Vizia™ remotes for multi-location dimming.

- Use with electronic low-voltage transformers only. Do Not use to control a magnetic low-voltage transformer. Use a Leviton magnetic low-voltage dimmer to control magnetic operation.

- To be installed and/or used in accordance with appropriate electrical codes and regulations.

---

**Tools needed to install your Dimmer:**

- Slotted Philips Screwdriver
- Pliers
- Cutting Knife
- Electric Tape
- Pencil
- Ruler

**Changing the color of your Dimmer:** Your Dimmer includes three color options. The Dimmer ships with the White frame attached. To change color of frame, proceed as follows:

1. Push in side at tab to release flip top.
2. Bend back inner side of lid.
3. Remove all sections.
4. Bend back and forth to remove side sections.

**Typically, removal of the side sections in multi-dimmer installations requires a reduction of the dimmer’s capacity. Refer to the chart for maximum load per dimmer.**

---

**Installing Dimmer by itself or with other devices:**

If installing Dimmer in a single device application, proceed with the INSTALLING YOUR DIMMER section. If installing Dimmer in a multi-device application, proceed as follows:

**MULTI-DEVICE APPLICATION**

In multi-device installations, the side sections of the mounting straps may require removal. Use plans to carefully bend side sections back and forth until they break off.

---

**Preparing and connecting wires:**

Pull off pre-cut insulation from dimmer leads. Make sure that the ends of the wires from the wall box are straight (cut if necessary). Remove insulation from each wire in the wall box as shown:

1. Line Neutral wall box wire to White dimmer lead.
2. Green or bare copper wire in wall box to Green terminal screw.
3. Black Hot wall box wire to Black dimmer lead.
4. Load wall box wire to Red dimmer lead.
5. Line Neutral wall box wire to White dimmer lead.
6. Yellow/Red wire should have Red insulation label attached. NOTE: If installing label is not attached to Yellow/Red dimmer lead, use electrical tape to cover.

**For non-standard wiring applications, refer to Wiring Chart as follows:**

- **Single Pole Wiring Application:**
  - For Single-Pole Application, go to Step 4a.
  - For 3-Way Coordinating Dimmer (no LEDs) Application, go to Step 4b.
  - For 3-Way Matching Remote (with LEDs) Application, go to Step 4c.

**Installing Your Dimmer**

**MAXIMUM LOAD PER DIMMER FOR MULTI-DEVICE APPLICATION**

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Single</th>
<th>Two Devices</th>
<th>More than 2 Devices</th>
</tr>
</thead>
<tbody>
<tr>
<td>VZEÖ4</td>
<td>400W</td>
<td>350W</td>
<td>300W</td>
</tr>
<tr>
<td>VZEÖ6</td>
<td>600W</td>
<td>500W</td>
<td>400W</td>
</tr>
</tbody>
</table>

**WIRING INSTRUCTIONS**


**Important:** For 3-Way applications, note that one of the screw terminals marked "YL/RD" will be unused. This traveler from the remote must go to the Yellow/Red Dimmer lead.

**2. 3-Way:**

1. **Line or Load (see important instruction below)**
2. **Neutral**
3. **Ground**
4. **First Traveler – note color**
5. **Second Traveler – note color**

**NOTE:** For installing remote on LED installation, the First Traveler becomes Line Hot.

**3. For Single-Pole Application, go to Step 4a.**

**4. For 3-Way Coordinating Dimmer (no LEDs) Application, go to Step 4b.**

**5. For 3-Way Matching Remote (with LEDs) Application, go to Step 4c.**

**Step 4a cont’d**

1. **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 wall box wire to Red dimmer lead.
   - Line Neutral wall box wire to White dimmer lead.
   - Yellow/Red wire should have Red insulation label attached.

**NOTE:** If installing label is not attached to Yellow/Red dimmer lead, use electrical tape to cover.

**Step 4b**

1. **Connect wires per WIRING DIAGRAM as follows:**
   - First Traveler wall box wire to Red dimmer lead (note wire color).
   - Second Traveler wall box wire to Yellow/Red dimmer lead (note wire color).

**Step 4c**

1. **Connect wires per WIRING DIAGRAM as follows:**
   - BK and RD terminals on coordinating remote are unused. Tighten both screws.

**Step 3**

- **WARNING:** To avoid fire shock or death; turn OFF POWER at circuit breaker or fuse and test that power is OFF.
- **WARNING:** For 3-Way applications, note that one of the screw terminals marked "YL/RD" will be unused. This traveler from the remote must go to the Yellow/Red Dimmer lead.

**WIRING DIAGRAM**

**For standard Single Pole installations, do not remove the Yellow/Red insulating label. This wire is used in 3-way installations only.**

- Single Pole (One location) or 3-Way (Multi-location) Electronic Low-Voltage Dimmer (Lighted)
  - Cat. No. VZEÖ4-1L, 600V
  - Cat. No. VZEÖ6-1L, 600V
  - 120VAC, 60Hz

**INSTALLATION INSTRUCTIONS**

**Step 1**

- **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 2**

- **Preparing and connecting wires:**
  - Pull off pre-cut insulation from dimmer leads. Make sure that the ends of the wires from the wall box are straight (cut if necessary). Remove insulation from each wire in the wall box as shown:
  - Line Neutral wall box wire to White dimmer lead.
  - Green or bare copper wire in wall box to Green terminal screw.
  - Black Hot wall box wire to Black dimmer lead.
  - Load wall box wire to Red dimmer lead.
  - Line Neutral wall box wire to White dimmer lead.
  - Yellow/Red wire should have Red insulation label attached.

**NOTE:** If installing label is not attached to Yellow/Red dimmer lead, use electrical tape to cover.

**Step 3**

- **Installing Your Dimmer**
  - **NOTE:** Use check boxes when Steps are completed.

**Step 4a**

1. **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 wall box wire to Red dimmer lead.
   - Line Neutral wall box wire to White dimmer lead.
   - Yellow/Red wire should have Red insulation label attached.

**NOTE:** If installing label is not attached to Yellow/Red dimmer lead, use electrical tape to cover.

**Proceed to Step 5.**

**Step 4b**

1. **Connect wires per WIRING DIAGRAM as follows:**
   - First Traveler wall box wire to Red dimmer lead (note wire color).
   - Second Traveler wall box wire to Yellow/Red dimmer lead (note wire color).

**Step 4c**

1. **Connect wires per WIRING DIAGRAM as follows:**
   - Green or bare copper wire in wall box to Green terminal screw.
   - Load wall box wire identified (tagged) when removing old switch to Black dimmer lead.

**Step 5**

1. **For non-standard wiring applications, refer to Wiring Chart as follows:**
   - **NOTE:** Maximum wire length from dimmer to all installed remotes cannot exceed 300 ft (90 m).
   - For Single-Pole Application, go to Step 4a.
   - For 3-Way Coordinating Dimmer (no LEDs) Application, go to Step 4b.
   - For 3-Way Matching Remote (with LEDs) Application, go to Step 4c.
Testing your Dimmer prior to mounting in wall box:

1. **Step 6**
   - On the dimmer only, engage the air-gap switch by gently pulling the bottom edge of the frame, until it completely out of the frame and all LEDs are OFF.
   - Push press back into frame and hold the push pad for 7 seconds until the locator light and the top LED start blinking.
   - Upon releasing the push pad, the locator light will continue to blink once per second indicating the dimmer is in Mode 2, Dim-Lock mode.

2. **Step 7**
   - To change the current Dim-Lock level from 0-100%, use the DIM/BRIGHT Bar. This feature is not desired, press and hold the lower half of the DIM/BRIGHT Bar until no LED is lit. This setting will automatically be saved.

3. **Step 8**
   - Tap the push pad to change to Mode 3, Set Fade Rate mode. The locator LED will blink three times per second. To change the current Fade Rate, use the DIM/BRIGHT Bar to move the LED to the desired level. This setting will automatically be saved by depressing the push pad to exit program mode.

4. **Step 9**
   - The LED Brightness Display is separated into 7 segments. Each LED represents a preset level with LED 1 (Preset 1) located at the top and LED 7 (Preset 7) located at the bottom. Refers to chart for settings and defaults.

5. **Step 10**
   - The dimmer will exit program mode after 3 minutes of inactivity.

### Advanced Programming Features

#### Mode 1 – Set Minimum Brightness

- **Description:** Set the minimum brightness that the lights can dim to prior to turning off.
- **Default:** 5%

#### Mode 2 – Set Dim-Lock

- **Description:** Set the brightness level that the lights will turn on or off regardless of the previous light level at which they were turned off.
- **Default:** 5%

### Fcc Compliance Statement

The 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 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/television technician for help.

### Troubleshooting

- **Lights Flickering:**
  - Lamp has a bad connection.
  - Wires not secured firmly with wire connectors of dimmer or remote.
  - Verify load type is electronic low-voltage.

- **Light does not turn ON and Locator LED does not turn ON:**
  - Circuit breaker or fuse has tripped.
  - Lamp is burned out.
  - Neutral not wired to Dimmer (White wire).

- **Intermittent dimmer operation:**
  - Minimum load is under 40W.

- **Remote does not operate lights:**
  - Ensure that total wire length does not exceed 30 ft (90 m).
  - Ensure wiring is correct.

- **Lights cycle ON and OFF:**
  - Remote access lead.

---

**ADVANCED FEATURES SUMMARY**

<table>
<thead>
<tr>
<th>Mode</th>
<th>Description</th>
<th>Range</th>
<th>Default</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Set Min. Brightness</td>
<td>0 – 100%</td>
<td>5%</td>
</tr>
<tr>
<td>2</td>
<td>Set Dim-Lock Level</td>
<td>0 – no lock</td>
<td>5%</td>
</tr>
</tbody>
</table>

---

**ADVANCED FEATURES SUMMARY**

<table>
<thead>
<tr>
<th>Mode</th>
<th>Description</th>
<th>Range</th>
<th>Default</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Set Min. Brightness</td>
<td>0 – 100%</td>
<td>5%</td>
</tr>
<tr>
<td>2</td>
<td>Set Dim-Lock Level</td>
<td>0 – no lock</td>
<td>5%</td>
</tr>
</tbody>
</table>

---

**LED #1 is located at the top**

---

**WEB VERSION**

Copyright © 2006 Leviton Manufacturing Co., Inc.
All Rights Including Trade Dress Rights Reserved

---

**LIMITED 5 YEAR WARRANTY AND EXCLUSIONS**

This warranty excludes and there is disclaimed liability for labor for removal of this product or reinstallation. This warranty is void if this product is installed improperly or in an improper environment, overloaded, misused, abused, altered in any manner, or is not used under normal operating conditions in accordance with any labels or instructions. There are no other or implied warranties of any kind, including merchantability and fitness for a particular purpose, but if any implied warranty is required by the applicable jurisdiction, the duration of such implied warranty, including merchantability, will be limited to five years. Leviton is not 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 this warranty obligation. The remedies provided here are the exclusive remedies under the warranty, whether based on contract, tort otherwise.