**Installation Instructions**

**Dimmer Mounting:**

1. **Turn ON from OFF position:**
   - Press pad until locator light is OFF. Lights will turn OFF.
   - Restore power at circuit breaker or fuse.

2. **Turn OFF from ON position:**
   - Partially screw in mounting screws
   - Position all wires to provide room for future addition of Z-Wave networks
   - Align screw holes
   - In a 3-way application, the lights will turn ON at brightness set on the dimmer’s DIM/BRIGHT Bar.
   - The light will remain off until a paddle is pressed
   - The Node will flash green 3 times
   - Hold the paddle for a total of 14 seconds
   - The Locator LED will flash green 3 times to confirm the selection.

3. **Locate the dimmer in wall box:**
   - Position all wires to provide room in wall box for device
   - Ensure the wall box is secure
   - Tighten the wall box screws
   - Tighten the dimmer mounting screws

**Troubleshooting:**

- **Lighting Failure:**
  - Check the dimmer’s wiring
  - Check the dimmer’s function

- **Remote does not operate lights:**
  - Ensure the remote is on the same network as the dimmer
  - Ensure the remote is not a Z-Wave Plus device

- **Lights do not turn ON and Locator LED does not turn ON:**
  - Check the dimmer’s wiring
  - Check the dimmer’s function
  - Check the dimmer’s network

- **Remote does not turn OFF:**
  - Check the remote’s battery

- **Lights do not turn OFF and Locator LED does not turn OFF:**
  - Check the dimmer’s wiring
  - Check the dimmer’s function
  - Check the dimmer’s network

**Additional Options**

- **Group Number:**
  - Maximum Nodes: 5
  - Z-Wave Plus Network: A NOTIFICATION frame is sent to the nodes
  - Z-Wave Plus Network: A NOTIFICATION frame is sent to the nodes
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- **Minimum Maximum Dim Levels:**
  - Minimum Maximum Dim Levels: 0 to 100 (default 0)
  - Minimum Maximum Dim Levels: 0 to 100 (default 0)
  - Minimum Maximum Dim Levels: 0 to 100 (default 0)

- **Scene Activation:**
  - Scene Activation: A NOTIFICATION frame is sent to the nodes
  - Scene Activation: A NOTIFICATION frame is sent to the nodes
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  - Scene Activation: A NOTIFICATION frame is sent to the nodes

**Logo and Trademarks**

- **Z-Wave Plus:**
  - Z-Wave Plus is a proprietary technology
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  - Z-Wave Plus is a proprietary technology

- **Copyright and Trademark Information:**
  - Copyright © 2016 Leviton Mfg. Co., Inc.
  - All rights reserved.
  - For additional information contact Leviton’s Technical Support at: 1-800-925-8509.

- **Patents:**
  - Go to the patent page to view all patents

- **Technical Support:**
  - For additional information contact Leviton’s Technical Support at: 1-800-925-8509.


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**Z-Wave® Technology**

- **Cat. No:** D28HD
- **Universal Incandescent, LED, CFL Dimmer
- **Rated:** 120 VAC, 60 Hz
- **Maximum Load:** 600W Incandescent, 1000VA dimmer limit.
- **For Canada Only:** DZ6HD
- **Operates on:** 120 VAC, 60 Hz
- **Features:**
  - Dimmer: 120 VAC, 60 Hz
  - 1500W incandescent, 2000W CFL, 2500W LED
  - 1500W incandescent, 2000W CFL, 2500W LED
  - 1500W incandescent, 2000W CFL, 2500W LED

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**Troubleshooting:**

- **Cleaning:**
  - Use a damp cloth
  - Do not use chemical cleaners

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**Technical Support:**

- For additional information contact Leviton’s Technical Support at: 1-800-925-8509.
INSTALLING DIMMER AS A SINGLE UNIT
If installing the device 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 reduction of the dimmer’s capacity may be required. Refer to the chart for maximum load per dimmer.

NOTE: No dimmer is required for LED or CFL bulb applications.

LOAD PER DIMMER FOR MULTI-DEVICE APPLICATION

<table>
<thead>
<tr>
<th>Single</th>
<th>Two or More Devices</th>
<th>More Than 2 Devices</th>
</tr>
</thead>
<tbody>
<tr>
<td>Instant</td>
<td>120W</td>
<td>300W</td>
</tr>
<tr>
<td>120VAC, 60Hz</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Ratings

- Incandescent - 120VAC, 60Hz
- LED/CFL
- More than 2 Devices

Features

- Z-Wave Plus™ Certification
- Increased communication range
- Network-Wide Coverage
- Support for building and security commands
- Over-the-Air (OTA) update
- Compatible with Leviton via Z wave systems
- Soft Start and ON/OFF
- ON/OFF LED brightness level LED
- Three-way communication
- Ease of installation - No new wiring

To-Do-List

1. Use check boxes when Steps are completed

2. To avoid fire, shock, or death: turn OFF power at circuit breaker or fuse and test that power is off before installing.

3. To avoid fire, personal injury or property damage, do not install to control a receptacle, a motor, or a transformer operated appliance.

4. If you are unsure about any part of these instructions, consult an electrician.

5. Use incandescent, or 120V halogen fixtures only. Use a Leviton electronic low voltage dimmer to control electronic (solid state) low voltage transformers.

6. The Decora® DZ6HD dimmer is not compatible with standard 3-way or 4-way switches. It must be used with up to 4 Decora® Digital DCD09-GE remotes for multi-location dimming.

Warnings and Cautions

- May feel warm to the touch during normal operation.
- Recommended minimum wall box depth is 2-3/4”.
- Use this device with copper or cooper clad wire only.
- Use with compatible dimmer LED, CFL, bulbs, incandescent or 120V halogen fixtures only. For a list of compatible LED and CFL bulbs refer to www.leviton.com.
- DO NOT mix bulb types when multiple bulbs are used with one dimmer. All bulbs shall be LED; CFL or incandescent. Use the same make/model of each bulb will enhance dimmer performance.
- Leviton recommends Z-Wave® technology in residential installations up to 7,500 sq. ft. Metal junction boxes may adversely affect network coverage. Communication is designed to pass through interior materials, exterior materials are designed to reflect RF energy and may prevent communication to detached buildings.
- Z-Wave® networking technology is designed for distributed communication. Large clustering of communicating devices in a centralized location (e. g. a closet) is not recommended.

Tools Needed to Install Your Dimmer

- Phillips Screwdriver
- Scribe
- Electrical Tape
- Slotted/Phillips Screwdriver
- Pliers
- Electrical Tape
- Pliers
- Ruler

Changing the Color of Your Dimmer:

Your dimmer comes with two color options. To change the color of the face proceed as follows:

1. Push the lid up and out while pressing the tab in.
2. Push in sides at bottom tab and pull outward to release tabs and pull outward to remove.

WRITING DIMMER:

Connect wires per wiring diagram as follows:

Step 1. Connect wire to common Dimmer screw.

Step 2. Connect Hot wire (Black) to Black dimmer terminal screw.

Step 3. Connect Neutral wire (White) to White dimmer terminal screw.

Step 4. Connect wire to traveler Dimmer screw.

Step 5. Proceed to Step 6.

Precautions:

- 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.
- For Simple-Pole Application, go to Step 4a.
- For 3-Way Matching Remote (with LED) Application, go to Step 4b.

For non-standard wiring applications, refer to Wire Connector and Connector Chart Section.

WIRING DIMMER:

Connect wires per wiring diagram as follows:

Step 1. Connect wire to common Dimmer screw.

Step 2. Connect Hot wire to Dimmer terminal screw.

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Step 4. Connect wire to Traveler Dimmer screw.

Step 5. Proceed to Step 6.

Precautions:

- 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.
- For Simple-Pole Application, go to Step 4a.
- For 3-Way Matching Remote (with LED) Application, go to Step 4b.

For non-standard wiring applications, refer to Wire Connector and Connector Chart Section.

Wire Connector and Connector Chart

For 2-Wire Application:

- Connect Black wire to Black dimmer terminal screw.
- Connect White wire to White dimmer terminal screw.
- Proceed to Step 6.

For 3-Wire Application:

- Connect Black wire to Black dimmer terminal screw.
- Connect White wire to White dimmer terminal screw.
- Connect Ground Wire to Ground terminal screw.
- Proceed to Step 6.

FCC Compliance Statement

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 of this equipment.

Any changes or modifications to the equipment not expressly approved by Leviton Manufacturing Co., Inc., could void the user’s authority to operate the equipment.

IC Compliance Statement

This device complies with Industry Canada's licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference received, including interference that may cause undesired operation of the device.