MULTI-DEVICE APPLICATION

In multi-dimmable installations, the reduction of the dimmer’s capacity is required. Refer to the chart for maximum load per dimmer.

MAXIMUM LOAD PER DIMMER FOR MULTI-DEVICE

<table>
<thead>
<tr>
<th>Lamp</th>
<th>Single</th>
<th>Two Devices</th>
<th>More Than 2 Devices</th>
</tr>
</thead>
<tbody>
<tr>
<td>Incandescent</td>
<td>120VAC</td>
<td>Max. 650W</td>
<td>Max. 1000W</td>
</tr>
<tr>
<td>Mag. LV</td>
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<td>Max. 500W</td>
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</tr>
<tr>
<td>CFL</td>
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</tr>
<tr>
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</tr>
</tbody>
</table>

MAXIMUM BULB WATTAGE

Low-dimmable lamps are rated in Volt-Amps (VA). The maximum bulb wattage is determined by the efficiency of the transformer in the low-voltage lighting system. Transformer efficiencies vary from different manufacturers: consider 80% efficient as average. Use the chart to determine maximum bulb wattage for the transformer efficiency range.

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INTRODUCTION

Leviton’s Decora® Z-Wave® control components are designed to communicate with each other via Radio Frequency (RF) to provide remote control of your lighting. In a 2-Wave® network, each device is designed to act as a router. These routers re-distribute the RF signal from device to device until the intended device is reached. This ensures the signal is received by the intended device by routing the signal around obstacles and radio dead spots. This dimmer must be used with compatible Z-Wave® enabled devices and can be used with other devices displaying the Z-Wave® logo.

Master 10™ dimming ballasts are not compatible with standard 3-way or 4-way switches. They must be used with compatible Vizia +® matching or coordinating remotes for multi-location dimming.

When retrofitting Mark 10™ dimming ballasts into fixtures that originally had Instant Start ballasts, the sockets MUST be replaced with Rapid Start sockets to allow proper dimmer operation.

Features:

- Soft touch ON/OFF
- Scene capable
- ON/OFF LED and brightness level LED
- Two way communication
- RF reliability
- Ease of installation – no new wiring
- Compatible with other Z-Wave® enabled devices

TOOLS NEEDED TO INSTALL YOUR DIMMER

Phillips Screwdriver
Electrical Tape
Pencil
Cutters
Ruler

Changing the color of your Dimmer:

Your device may include color options. To change the color of the face as follows:

1. Push in side at Yellow/Red sections
2. Remove all inner side sections
3. Remove all outer side sections
4. Install new face plate

INSTALLING DINING OR ITSELF OR WITH OTHER DEVICES

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

INSTALLING YOUR DIMMER

In multi-dimmable installations, the reduction of the dimmer’s capacity is required. Refer to the chart for maximum load per dimmer.

MAXIMUM BULB WATTAGE

Low-dimmable lamps are rated in Volt-Amps (VA). The maximum bulb wattage is determined by the efficiency of the transformer in the low-voltage lighting system. Transformer efficiencies vary from different manufacturers: consider 80% efficient as average. Use the chart to determine maximum bulb wattage for the transformer efficiency range.

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

WIRING DIMMER:

Connect wires per WIRING DIAGRAM as follows:

Connect LOW-VOLTAGE MAGNETIC TRANSFORMER to the PRIMARY SIDE (HIGH-VOLTAGE) SIDE OF A MAGNETIC LOW-VOLTAGE TRANSFORMER.

Connect green or bare copper wire in wall box to Green dimmer lead.

Connect pair of traveler wire to Red dimmer lead.

Connect both wire leads to White dimmer lead.

Connect both wire leads to Red dimmer lead.

Connect both wire leads to White dimmer lead.

Connect both wire leads to Yellow/Red dimmer lead.

Connect both wire leads to White dimmer lead.

Connect both wire leads to Black dimmer lead.

Connect both wire leads to Black dimmer lead.

Connect both wire leads to Black dimmer lead.

Connect both wire leads to Black dimmer lead.

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

IMPORTANT:

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

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.

For Single Pole Application, go to Step 4a.

For 3-Way Coordination Remote (no LEDs) Application, go to Step 4b.
Leviton warrants to the original consumer purchaser and not for the benefit of anyone else that this product at the time of 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 obligation is to correct such defects by repair or replacement, at its option. Leviton’s only obligation is to correct such defects by repair or replacement, at its option. The remedies provided herein are the exclusive remedies under this warranty, whether based on contract, tort or otherwise. 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.

Leviton.com or call 1-800-824-3005

Maximum wire length from dimmer to all installed remotes is 250 feet (76.2 m).

Step 1: Testing your Dimmer prior to mounting in wall box:

NOTE: If your dimmer is a dimmable fluorescent application see Advanced Programming Feature B-4 prior to testing the device.

• All positions are wired to provide smooth dimming and light control.
• Ensure that the word “TOP” is facing up on the Dimmer Mounting.
• Remove the fuse from the circuit breaker or fuse box and set to “OFF”.
• Ensure wiring is correct.
• Remote does not operate lights
• Ensure the dimmer is not overloaded.
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NOTE: Testing Procedure:

Confirm that the device is being supplied from a 120V, 60 Hz AC line.

- Connect the equipment into an outlet on a circuit different from that to which the device is being connected.
- Ensure the device is in the “OFF” position before proceeding.
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Troubleshooting:

- If lights still do not turn ON, refer to the TROUBLESHOOTING section.

ADVANCED PROGRAMMING FEATURES

DEFINITION OF A MODES

A-1) Energy Save: Sets the maximum brightness level for energy savings. A-2) Minimum Brightness Level: Sets the minimum level that the device can dim to. A-3) Preset ON Level: Sets the brightness level regardless of the Dimmer Brightness Bar setting.

DEFINITION OF B MODES

B-1) Dimmer Power Off: Select the amount of time in seconds it takes the lights to turn ON to maximum brightness.

B-2) Dimmer Power On: Select the amount of time in seconds it takes the lights to turn OFF to minimum brightness.

B-3) LCD Dimmer: Select the time period in seconds the Locator LCD and Brightness Scales will stay on before exiting programming.

DEFINITION OF LEVITON Techline


Program Mode A

To enter Program Mode A:

1. Turn off the power to the device at the main service panel.

2. Press and hold LCD DIMMER for 5 seconds and then the right half of the DIMMABLE Bar (=5) for 5 seconds until the Locator LCD and LED 1 lights up. (Refer to Chart B.

3. Upon releasing the Push Pad and the right half of the DIMMABLE Bar goes out.

4. Repeat program Mode A steps 1-3.

Program Mode B

To enter Program Mode B:

1. Turn off the power to the device at the main service panel.

2. Press and hold LCD DIMMER for 5 seconds and then the right half of the DIMMABLE Bar (=5) for 5 seconds until the Locator LCD and LED 1 lights up. (Refer to Chart B.

3. Upon releasing the Push Pad and the right half of the DIMMABLE Bar goes out.

4. Repeat program Mode B steps 1-3.

TROUBLESHOOTING

- If dimmer is in a dimmable fluorescent application see Advanced Programming Feature B-4 prior to testing the device.

• For warranty information and/or product return, residents of Canada should contact Leviton Manufacturing of Canada Ltd to the attention of the Quality Assurance Department, 185 Humby Blvd, Pointe Claire (Quebec), Canada H9R 1E9 or by telephone at 1-800-405-5353, ext. 7102.

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

- Covered by U.S. Pat. Nos. 7,715,556; 7,985,957; 8,003,304; D050,430 (Dedicated U.S. Pat. No. 5,205,442, and 5,882,103)

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 the device.

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 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.

CAUTION

Keep this manual for future reference.

The above referenced equipment complies with the limits for a digital device pursuant to Part 15 of the FCC Rules.

Trade Mark Information

The trademarks and trade names used in this document are the property of their respective owners; such use is not meant to imply affiliation with, endorsement by, or sponsorship of the trademark owner. Trade names are listed for illustrative purposes only and are not intended to be an exhaustive list.

Copyright and Trademark Information

Leviton warrants to the original consumer purchaser and not for the benefit of anyone else that this product at the time of 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 obligation is to correct such defects by repair or replacement, at its option. For details about Leviton’s warranty, visit Leviton’s website at www.leviton.com or call 1-800-824-3005. Lifts have a 10 year warranty.

Leviton’s Techline at 1-800-824-3005 or visit Leviton’s website www.leviton.com.

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For information on how to obtain service or replacement of any defective product, contact your nearest Leviton Authorized Service Center. For warranty information, contact Leviton Manufacturing Co., Inc., 185 Humby Blvd., Pointe Claire, Quebec, Canada H9R 1E9 or by telephone 1-800-824-3005.

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