**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 use and proper use for five years from the purchase date. Leviton’s only obligation is to repair or replace, at its option, any such defects by repair or replacement, as its option, if within such five year period the product is returned prepaid, with proof of purchase date, and a description of the problem to Leviton Manufacturing Co., Inc., Att: Quality Assurance Department, 59-25 Little Neck Parkway, Little Neck, New York 11363-2951 (in Canada send to Leviton Mfg. of Canada Ltd., 105 Hymus Blvd., Point Claire, (Quebec), Canada H9R 1E9). This warranty excludes and there is disclaimed liability for items of the removal of this product is not installed. This warranty is void if this product is installed improperly or in an improper environment, overloaded, misused, opened, abused, or altered in any manner, or is not used under normal operating conditions or not in accordance with any labels or instructions. There are no other implied warranties of any kind, including merchantability and fitness for a particular purpose, but if any implied warranty is required by the applicable law, it is limited to five years. Leviton is not liable for indirect, incidental, 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 herein are the exclusive remedies under this warranty, whether at contract, tort or otherwise.

**DESCRIPTION**

The Leviton Power Extender, Cat. No. PE200-1 and PE200-7, will emulate the characteristics of the dimmer that it is connected to in terms of dimming range and resolution.

**INSTALLATION INSTRUCTIONS**

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. 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. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

**FEATURES**

- Works with Mark 10™ or Hi-lume® 120V (Cat.No. PE200-1) and 277V (Cat. No. PE200-7) dimmable ballasts.

**NOTE:** Hi-lume® is a registered trademark of the Lutron Electronics Co., Inc.

- Low-end adjustment available for setting the minimum brightness level.

- Works with any Dimensions 3200 Series MultiZone Controller/Dimmer to extend load capacity on any zone.

**COMPATIBILITY**

- **Box Mounted Dimmers** – Must use a 120V 600VA Mark 10™ version of the following families: Monet, Illumatech, Suesslide, Mural, and Touch Point.

**NOTE:** When using Hi-lume® ballasts, incandescent dimmers must be used.

- **D3200 – Zone must be configured to work with fluorescent loads. Refer to D3200 User guide for details.**

**NOTE:** When using Hi-lume® ballasts, the zone must be set for incandescent load.

- **Architectural Systems – Works with all families.**

**NOTE:** For dimmers that include a Neutral wire, the dimmer Neutral wire must be connected.

**NOTE:** The PE200 has a minimum level adjustment.

**FCC COMPLIANCE STATEMENT**

To operate the PE200, the dimmer must be operated as follows:

1. **WARNING:** TO INSTALL:
   - Turn OFF the dimmer.
   - Connect lead wires per appropriate WIRING DIAGRAM and FIGURE 2 as follows: All connections to the output terminals should be made using #12 AWG wire. Each power terminal can accept up to two (2) #12 wires. The recommended installation torque is 9.5 in.-lbs. for line voltage connections.
   - Carefully position all wires to provide room in wall box for Power Extender. All Power Extenders must have 4-1/2" spacing above and below each unit for proper ventilation and heat dissipation. Turn OFF the dimmer. For Wall Box Mounting: Refer to Figure 1A. For Flush Mounting: Refer to Figure 1B.

2. **OPERATION**

   - The operation of the PE200 follows the operation of the dimmer it is connected to. To operate the PE200, the dimmer must be operated as follows:
     - Turn OFF the dimmer.
     - Adjust the dimmer DIM LEVEL.
     - BRIGHTEN: Adjust the dimmer BRIGHTNESS level.
     - AIM: Illuminates when load in ON.

   - Air Gap: Activating the air gap on the dimmer will cause the PE200 to turn its controlled Load OFF.

   - CAUTION: The Power Extender will still remain powered, but it will not activate the load.

3. **OTHER CAUTIONS:**
   - For Panel Mounting (not shown), Proceed as follows:
     a. The enclosure must be in accordance with all local and national electrical codes.
     b. Leviton DOES NOT recommend using a door to enclose the front of a panel, since this restricts airflow to the controls.
     c. If mounting multiple controls in an enclosure – Works with all families.
     - Ambient temperature within an enclosure “MUST REMAIN BETWEEN 32° -104°F (0° -40°C).
     - If not mounted in a metal enclosure, all units “MUST” be mounted in a wall box.
     - To improve heat dissipation of controls, remove the faceplate from the unit.
     - Restore power at circuit breaker or fuse.
     - Turn OFF the dimmer.
     - Using the dimmer control, verify that the load DIMS and BRIGHTENS smoothly and the lamps do not flicker.
     - Attach walleter by aligning tabs on back of plate with grooves in fins on Power Extender (refer to Figure 1A and Figure 1B). INSTALLATION IS COMPLETE.

4. **INSTALLATION INSTRUCTIONS**

   - The PE200 has an air gap relay built in, therefore, the ballasts will be disconnected by an air gap when the dimmer is OFF or the air gap control on the dimmer is activated.
TROUBLESHOOTING

- The Power Extender is not powered
- Circuit breaker is OFF
- Power wires are not connected properly.
- The load does not turn ON, but the Power Extender is powered
- The dimmer is OFF
- The dimmer air gap switch is activated.
- The dimmer is mis-wired
- Control Neutral (from dimmer) wire is not connected to the Neutral of the Line pair feeding the dimmer.
- No full range dimming
- Remove wallplate if necessary and ensure the Power Extender trim adjustment is set to its fully counter-clockwise (ccw) minimum level.

Dual Feed Wiring:
- Two circuit breakers on a single phase or by two separate phases.
- The Input control circuit and the Output load circuit can be supplied by two circuit breakers on a single phase or by two separate phases.

Single Feed Wiring:
- Line Hot can be controlled by one circuit breaker as long as the total load does not exceed the rating of the circuit breaker.
- The Input control circuit and the Output load circuit can be supplied by two circuit breakers on a single phase or by two separate phases.
- The load that does not turn ON, but the Power Extender is powered
- The Power Extender is not powered

TABLE 1

<table>
<thead>
<tr>
<th>Part No.</th>
<th>CAT. No.</th>
<th>Single Feed</th>
<th>Max. # Ballasts</th>
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<td>277V MARK 10™ DIMMABLE BALLAST</td>
<td>67</td>
<td>18</td>
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<td>PE200-09</td>
<td>277V MARK 10™ DIMMABLE BALLAST</td>
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Wiring Diagrams:

1. **Wiring Diagram 1A**: 120V Single Feed Wiring Application w/Mark 10™ Dimmable Ballast
2. **Wiring Diagram 1B**: 120V Single Feed Wiring Application w/Mark 10™ Dimmable Ballast
3. **Wiring Diagram 2A**: 120V Single Feed Wiring Application w/Hi-lume® Dimmable Ballast
4. **Wiring Diagram 2B**: 120V Single Feed Wiring Application w/Hi-lume® Dimmable Ballast
5. **Wiring Diagram 3A**: 277 Dual Feed Wiring Application w/Mark 10™ Ballast
6. **Wiring Diagram 3B**: 277 Dual Feed Wiring Application w/Hi-lume® Ballast
7. **Wiring Diagram 4**: Dual Feed Wiring Application w/Controller and Two Power Extenders (277V depicted)