**INSTALLATION INSTRUCTIONS**

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

**WARNING:** TO INSTALL:

1. WARNING: TO AVOID FIRE, SHOCK, OR DEATH: TURN OFF POWER AT CIRCUIT BREAKERS OR FUSES AND TEST THAT POWER IS OFF BEFORE WIRING!

2. DISCONNECT POWER WHEN SERVICING FIXTURE OR CHANGING LAMPS.

3. TURN OFF POWER AT CIRCUIT BREAKERS OR FUSES AND TEST THAT POWER IS OFF BEFORE SERVICING CONTROL.

4. Carefully position all wires to provide room in wall box for Power Extender. When mounting, all PEAUXS must be spaced 4-1/2” above and below each unit for proper ventilation and heat dissipation (refer to Figure 4). Line voltage wire size should be at least 6 ft. away from sound or electronic equipment wiring. Mount Power Extender to outlet box with "TOP" facing up (refer to Figure 3).

5. To improve heat dissipation of controls, remove the faceplate from the unit.

6. Restore power at circuit breaker or fuse.

7. If mounting multiple controls in an enclosure: a) Ambient temperature within an enclosure "MUST REMAIN BETWEEN" 32°-104°F (0°-40°C). b) If not mounting in a metal enclosure, all units "MUST" be mounted in a wall box.

8. To improve heat dissipation of controls, remove the faceplate from the unit.

9. Restore power at circuit breaker or fuse.

10. Turn ON the dimmer.

**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.

**DI-000-PE400-00B**

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**DI-000-PE400-06B**

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OPERATION

The operation of the PE400 follows the operation of the dimmer (zone) it is connected to. To operate the PE400, the dimmer (zone) must be operated as follows:

ON: Turn ON the dimmer (zone).

Turn OFF: Turn OFF the dimmer (zone).

DIM: Adjust the dimmer (zone) DIM level.

BRIGHTEN: Adjust the dimmer (zone) BRIGHTNESS level.

Air Gap: Activating the air gap on the dimmer will cause the PE400 to turn its controlled Load OFF.

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

The PE400 has an air gap relay built in, therefore, the Load 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 connected to a separate circuit, and the circuit breaker is OFF.
  - Dimmer is mis-wired.
  - Dimmer Neutral connection is not wired.

Wiring Diagram 1
120V Single Feed Wiring Application

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 breakers.

Wiring Diagram 2
120V Dual Feed Wiring Application

Dual Feed Wiring: 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.

Wiring Diagram 3
120V Dual Feed Wiring Application w/Controller and Two Power Extenders

Dual Feed Wiring: 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.

NOTE:
Up to 4 Power Extenders can be connected together.