



## 2 Zone Power Extender Dimming Control

### Cat. No. PEAX-12

Rating: 1920W/VA Total-120VAC, 50/60Hz  
1000W/VA max. per zone

Incandescent  
Magnetic Low-Voltage  
Neon/Cold Cathode

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## INSTALLATION INSTRUCTIONS



DI-000-PEAX-00B

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DI-000-PEAX-00B

### FEATURES

- Enables 2 auxiliary zones for the D3204/D3206/D3208 Controller/Dimmer.
- Supplies 24VDC isolated output.
- Works with incandescent, magnetic low-voltage, halogen, or neon/cold cathode lighting.

### DESCRIPTION

The Leviton 2 Zone Power Extender, Cat. No. PEAX-12, will connect to a Dimensions D3204/D3206/D3208 Controller/Dimmer to activate the 2 auxiliary zones

#### Compatibility

- DimensionsD3204/D3206/D3208 Controller/Dimmer.

**NOTE:** The PEAX has a programming push-button on the front of the heatsink.

### FCC COMPLIANCE STATEMENT

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.

### INSTALLATION INSTRUCTIONS

**WARNING:** TO BE INSTALLED AND/OR USED IN ACCORDANCE WITH APPROPRIATE ELECTRICAL CODES AND REGULATIONS.

**WARNING:** IF YOU ARE NOT SURE ABOUT ANY PART OF THESE INSTRUCTIONS, CONSULT A QUALIFIED ELECTRICIAN.

#### OTHER CAUTIONS:

1. BOTH LIGHTING FIXTURE AND CONTROLLER MUST BE GROUNDED.
2. DISCONNECT POWER WHEN SERVICING FIXTURE OR CHANGING LAMPS.
3. USE THIS DEVICE ONLY WITH COPPER OR COPPER CLAD WIRE. WITH ALUMINUM WIRE USE ONLY DEVICES MARKED CO/ALR OR CU/AL.

**NOTE:** The PEAX must be installed in a 1900 Box with Raised Cover or a properly grounded metal 2-gang wall box, 3.5" (8.9 cm) deep (**refer to Figure 1A, 1B, 2A, and 2B**). Depending on the application and the number of connections, more space may be needed. If so, use an appropriate size box or box extension. **Refer to Step 4.**

#### 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!**

MORE THAN ONE CIRCUIT BREAKER CAN POWER THIS DEVICE. DISCONNECT "ALL" POWER SOURCES BEFORE SERVICING CONTROL.

2. Remove 1/2" (1.3 cm) of insulation from each circuit conductor in wall box. Make sure that ends of conductors are straight.

3. **Line Voltage Wiring:** 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 9.0 in.-lbs. for line voltage connections.

4. **Low-Voltage Wiring:**

#### NOTES:

- LCnet must be wired using a twisted pair for the CAN\_H and CAN\_L wires. Leviton recommends using CAT5 wire.
- If the device is the first or last one on the bus, the LCnet must be terminated. Use the terminating plug (included) making sure to connect shorting wire from the center terminal to CAN\_H or you may also short the center terminal in the connector on the device to the CAN\_H terminal.

Figure 1A: Surface Mounting

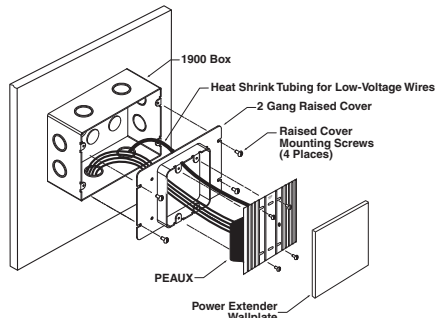


Figure 1B: Flush Mounting

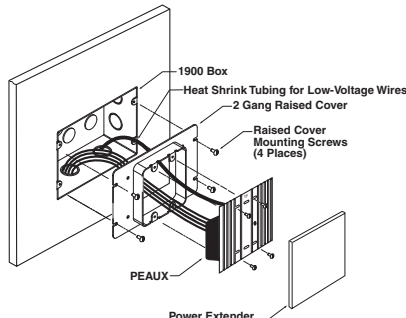


Figure 2: End View

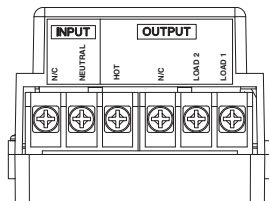


Figure 3: Front View

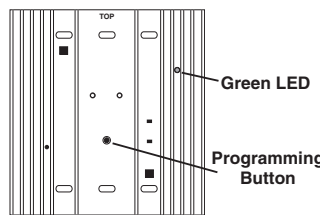
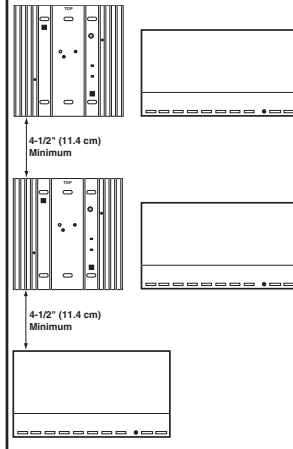


Figure 4: Front View Spacing



- LCnet wires must also be dressed so they are separate from the high voltage (Class I) conductors. Refer to local building codes for the appropriate installation requirements for the low-voltage wiring. Jacketing over the low-voltage wires may be required to provide appropriate insulation from the high-voltage wiring.

Connect leads per appropriate WIRING DIAGRAM as follows: Insert each lead into appropriate plug connector location by pushing firmly. If using stranded wire, twist strands of each lead tightly (making sure that there are no stray strands) and push firmly into appropriate plug connector location. Tighten the screws on the plug connector—making sure that no bare conductor is showing. Connect plug connector to jack on the back of the Controller.

5. Carefully position all wires to provide room in outlet box for the PEAX. When mounting, all PEAXS must be spaced 4-1/2" (11.4 cm) above and below each unit for proper ventilation and heat dissipation (**refer to Figure 4**). Line voltage wiring should be at least 6 ft. (1.8 m) away from sound or electronic equipment wiring. Mount Power Extender to wall box with "TOP" facing up as follows (**refer to Figure 3**):

**For Wall Box Mounting:** Refer to Figure 1A.

**For Flush Mounting:** Refer to Figure 1B.

**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:
    - Ambient temperature within an enclosure "MUST REMAIN BETWEEN" 32°-104°F (0°-40°C).
    - If not mounting in a metal enclosure, all units "MUST" be mounted in a wall box.
  - d. To improve heat dissipation of controls, remove the faceplate from the unit.
6. Restore power at circuit breaker or fuse.

WEB VERSION

7. Follow programming steps below.
8. If desired, attach wallplate by aligning tabs on back of plate with grooves in fins on the PEAUX (**refer to Figure 1A and Figure 1B**). **INSTALLATION IS COMPLETE.**

PEAUX ADDRESSING

Program the PEAUX as follows:

1. At the desired D3204/D3206/D3208 Controller location, press the **Wizards** button and then the **Up or Down** button to select the SETUP WIZARD.
- NOTE:** You must have a D3204/D3206/D3208 in order to program.
2. Press the **Select/Next** button to access the SETUP WIZARD.
3. Press the **Up or Down** button to select the Aux Devices screen.
4. Press the **Select/Next** button to access the Aux Devices menu.

Press the **Up or Down** and **Left or Right** buttons to select the Panel and Zone Number of the Controller you want the PEAUX to work with.

**NOTE:** Zone 7, along with the D3208 panel number, will be displayed as the default zone of the programmed D3208 Controller. For the D3204/D3206, a new panel number that is not used by any networked devices must be chosen. The default channels are 1 and 2.

5. Press the **Select/Next** button. Screen will display SET AUX DEVICE. **DO NOT** press **Select/Next** button.
6. Go to the PEAUX location. Remove plastic cover from the heat sink. You should see a Green LED on the front of the device blinking once per second which indicates Normal operation of the PEAUX. Press and hold the programming button on the front of the heat sink. The LED will stop blinking briefly and then continue to blink again.

7. The PEAUX is now programmed.

Enable the AUX Zones of the D3208 Controller as follows:

1. At the desired D3208 Controller location, press the Wizards button and then the **Up or Down** button to select the SETUP WIZARD.
2. Press the **Select/Next** button to access the SETUP WIZARD.
3. Press the **Up or Down** button to select the Panels screen.
4. Press the **Select/Next** button to access the Panels menu.
5. Select the configuration you will use the Controller in (**refer to Dimensions Instruction Sheet**).
6. Press the **Select/Next** button.
7. Edit configuration name if needed.
8. Press the **Select/Next** button.
9. Select the group number for the panel if needed.
10. Press the **Select/Next** button.
11. Select the panel number of the device if needed.
12. Press the **Select/Next** button.
13. Edit panel name if needed.
14. Press the **Select/Next** button to select the SET AUX ZONES screen.
15. Press the **Up or Down** and **Left or Right** buttons to SET AUX ZONES to Enabled (EN). Press the **Select/Next** button to save entry and proceed.
- NOTE:** If more than one configuration is programmed, repeat Steps 6 through 14 for each configuration.
16. Press the **Wizards** button to return to the Main Screen. The Controllers Auxiliary zones are now enabled.

Enable the AUX Zones of the D3204/D3206 Controller as follows:

1. At the desired D3204/D3206 Controller location, press the Wizards button and then the **Up or Down** button to select the SETUP WIZARD.
2. Press the **Select/Next** button to access the SETUP WIZARD.
3. Press the **Up or Down** button to select the Panels screen.
4. Press the **Select/Next** button to access the Panels menu.
5. Select the group number you want the Controller scene buttons to control. Press the **Select/Next** button to save entry and proceed.
6. Select the panel number which you have set for the PEAUX. Then press the right arrow button. Choose to include the panel number you have assigned to the PEAUX device. Press the **Select/Next** button to save entry and proceed.
7. When you page the D3204/D3206 to that panel, you will control the PEAUX from the channels you have programmed.

OPERATION

The operation of the PEAUX from the 2 auxiliary zones for the D3204/D3206/D3208 Controller is as follows:

**ON:** Turn ON the zone.

**Turn OFF:** Turn OFF the zone.

**DIM:** Adjust the zone DIM level.

**BRIGHTEN:** Adjust the zone BRIGHTNESS level.

**Air Gap:** When both AUX zones are turned OFF on the Controller, the PEAUX's built-in air gap relay will open and disconnect the Load.

**CAUTION:** The PEAUX will still remain powered, but it will not activate the load.

**Green LED:** Blinks to show operation.

If default settings are selected for the D3208, use the last two zones of the Controller to control the Power Extenders as follows:

Zone 7 will control Load 1  
Zone 8 will control Load 2

For the D3204/D3206, the PEAUX will be controlled by the 2 zones that have been programmed on the remote panel you have selected. Press Panel Page to page the device to the programmed panel. **Refer to steps above for operation.**

**CAUTION:** Based on either Wiring Diagrams 1 or 2, the first and last device on the network must be terminated by adding a jumper wire between CAN\_H and the center pin of the low-voltage BUS connector.

TROUBLESHOOTING

- The Power Extender/PEAUX is not powered (LED is OFF)
  - Circuit breaker is OFF.
  - Power wires are not connected properly.
- The load does not turn ON, but the Power Extender/PEAUX is powered (LED is blinking)
  - The dimmer is OFF.
  - The Power Extender was not programmed.
  - 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
    - Control Neutral (from dimmer) wire is not connected to the Neutral of the Line pair feeding the dimmer.
    - Dimmer is not an incandescent, 600W dimmer or a Monet Magnetic Low-voltage.
- The load turns ON, but quickly turns OFF
  - Dimmer is not an incandescent, 600W version.
- No full range dimming
  - Use the D3204/D3206/D3208 to adjust minimum setting.

