

PE100-1 Power Extender

APPLICATION

Leviton’s PE100-1 Power Extender allows a dimming zone’s power handling capacity to be extended to a full 1920W/VA on 120V input power. It allows a zone to dim or switch a fully loaded circuit of incandescent and magnetic low voltage loads only.

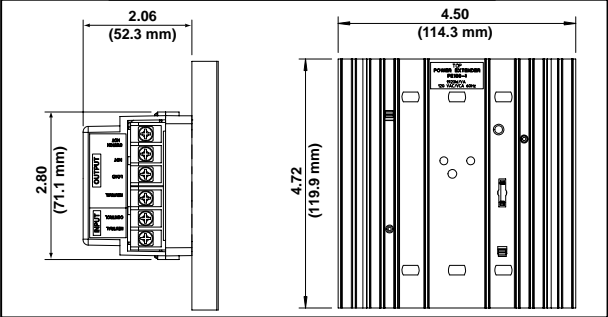
FEATURES & BENEFITS

- Works with incandescent, magnetic low voltage, halogen or neon/cold cathode lighting
- Low-end trim available for setting the minimum brightness level
- Emulates the characteristics of the dimmer that it is connected to in terms of dimming range and resolution
- Works with any Dimensions Multi-zone Controller/Dimmer to extend load capacity on any zone

MOUNTING

All Power Extenders must have 4-1/2" spacing above and below each unit for proper ventilation and heat dissipation (refer to figure 3). Line voltage wiring should be at least 6ft away from sound or electronic equipment wiring. Mount Power Extender to wall box with "TOP" facing up as follows: **For Wall Box Mounting** (refer to figure 1), **for Flush Mounting** (refer to figure 2) and **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.



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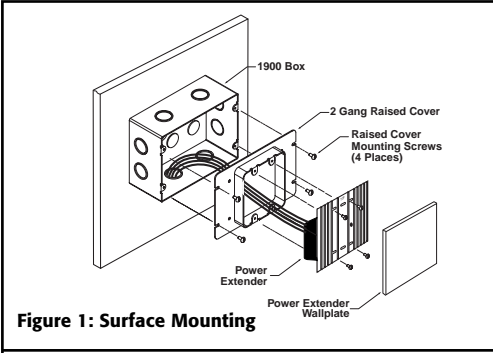


Figure 1: Surface Mounting

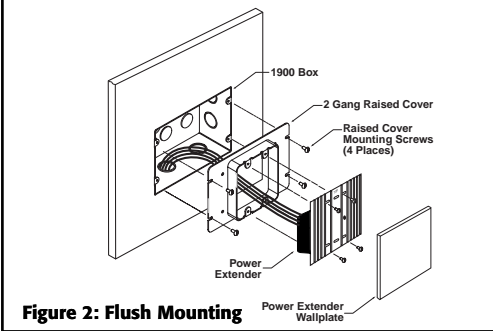


Figure 2: Flush Mounting

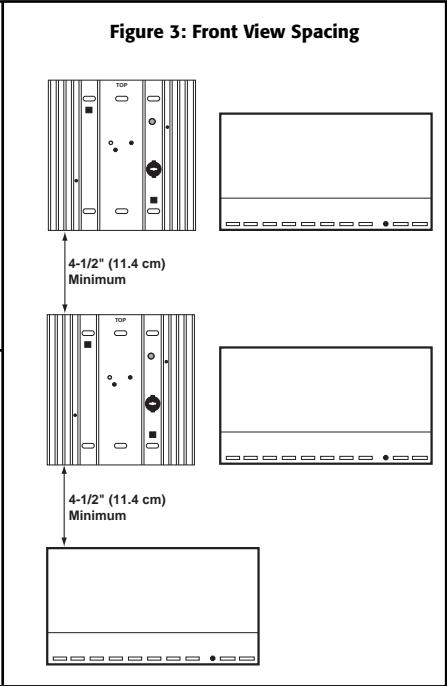


Figure 3: Front View Spacing

LEVITON SPECIFICATION SUBMITTAL

JOB NAME:	CATALOG NUMBERS:	
JOB NUMBER:		

Product Specifications

SPECIFICATIONS

Compatibility

- For Box-Mounted Dimmers: Must use a 120V, 600W Incandescent version from the following families: IllumaTech™, Mural™, True Touch™, ToggleTouch™, TouchPoint™ and Home Controls
- For Monet™ installations, use a 120V, 600VA Monet Magnetic Low Voltage dimmer (requires a Neutral wire)
- For dimmers that include a Neutral wire (such as some scene-capable dimmers), the dimmer Neutral wire must be connected
- For Architectural Systems: Works with all families

Electrical

Input Voltage: 120V, 50/60Hz  
Load Rating: 1920W/VA  
Load Output Power: Phase independent of control device  
Dimmer Input: 120V 50/60Hz  
Testing/Code Compliance: UL Listed, CSA Certified and FCC Part 15

Physical

Color: Aluminum clear anodized extruded heat sink with a snap-on molded white cover  
Size: 4.72"L x 4.5"W x 0.5"H (120mm x 114mm x 12.7mm)

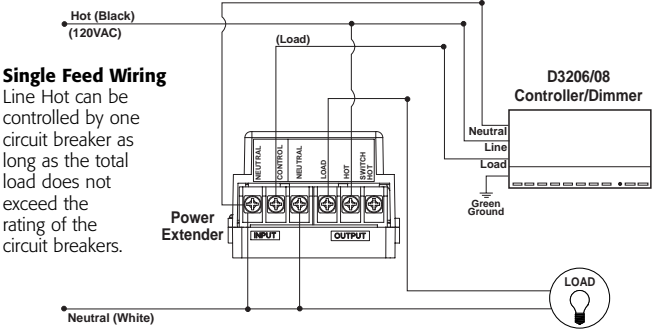
Environmental

Operating Temperature Range: 0°C to 40°C  
Storage Temperature Range: -10°C to 85°C  
Relative Humidity: 20%-90% non-condensing

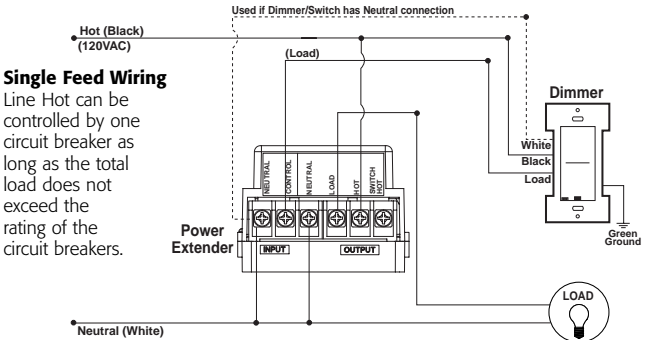
**Warranty:** Limited 2-Year Warranty

PE100-1

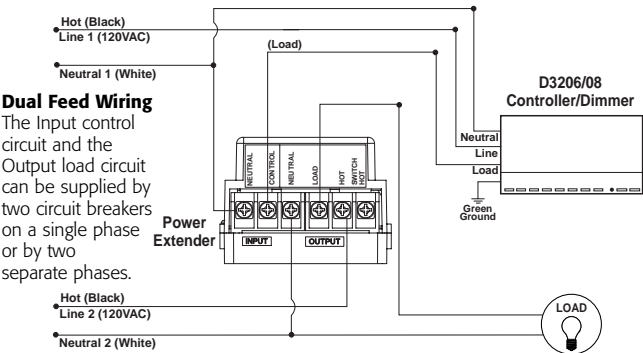
Wiring Diagram 1A: Single Feed Wiring Application w/Controller



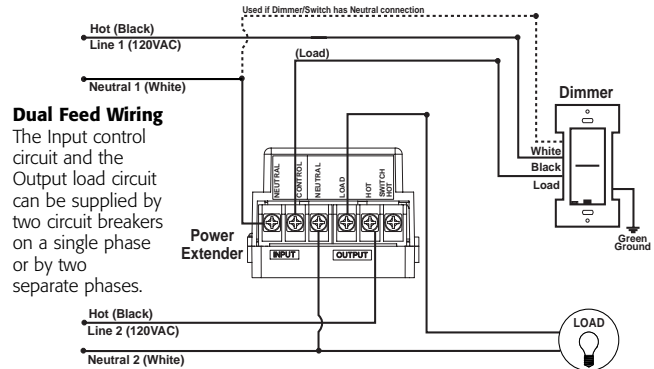
Wiring Diagram 1B: Single Feed Wiring Application w/Dimmer



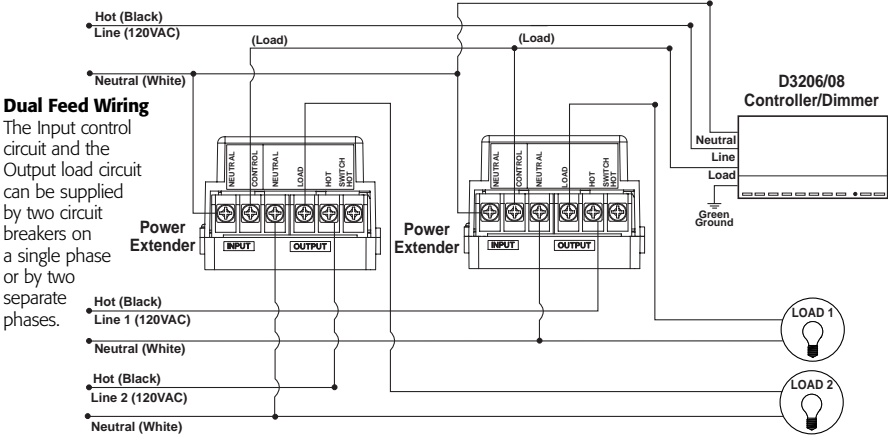
Wiring Diagram 2A: Dual Feed Wiring Application w/Controller



Wiring Diagram 2B: Dual Feed Wiring Application w/Dimmer



Wiring Diagram 3: Dual Feed Wiring Application w/Dimmer and Two Power Extenders



**Note:**  
Up to 4 Power  
Extenders can  
be Connected  
together.



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