

PE100 Power Extender



DESCRIPTION

Leviton's Power Extender (PE100) 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

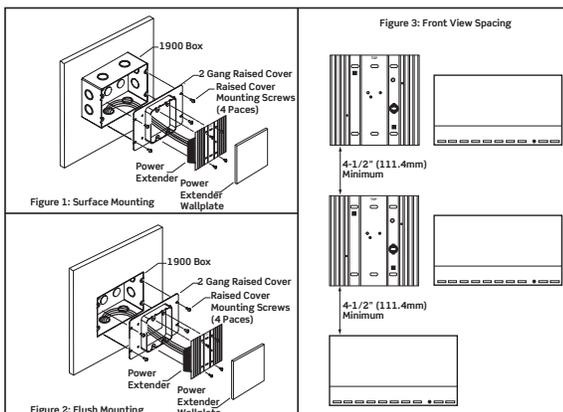
- Works with incandescent, magnetic low voltage, halogen or neon/cold cathode lighting
- Low-end trim available for setting the minimum brightness level
- Emulates the characteristics of the dimmer that it is connected to in terms of dimming range and resolution
- Works with any Dimensions Multi-zone 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 wallbox with TOP facing up. For Wall Box mounting (refer to figure 1), for flush mounting (refer to figure 2) and for panel mounting (not shown), proceed as follows:

- The enclosure must be in accordance with all local and national electrical codes
- Leviton **does not** recommend using a door to enclose the front of a panel, since this restricts airflow to the controls
- 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
- To improve heat dissipation of controls, remove the faceplate from the unit

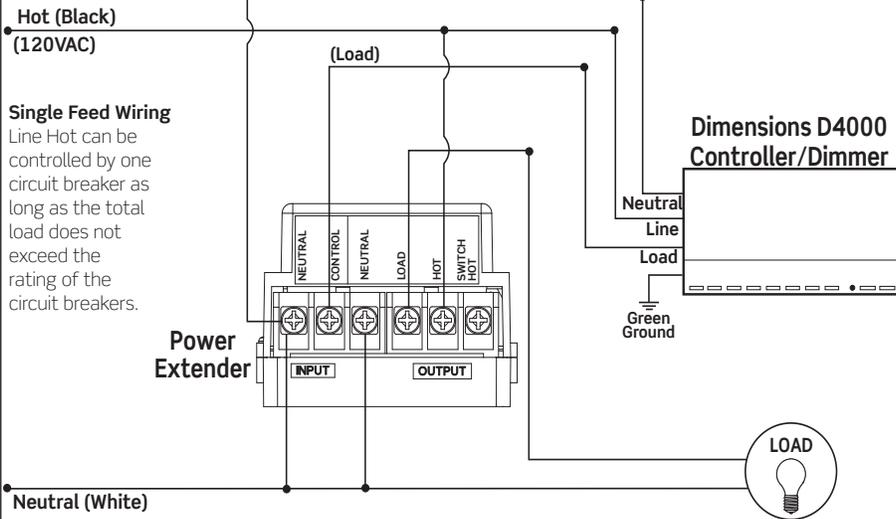
MOUNTING DIAGRAM



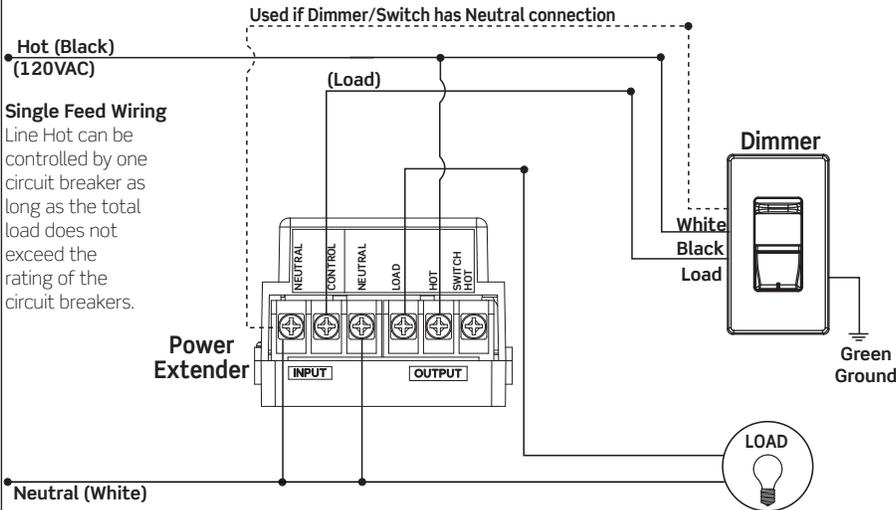
PRODUCT DATA

WIRING DIAGRAMS

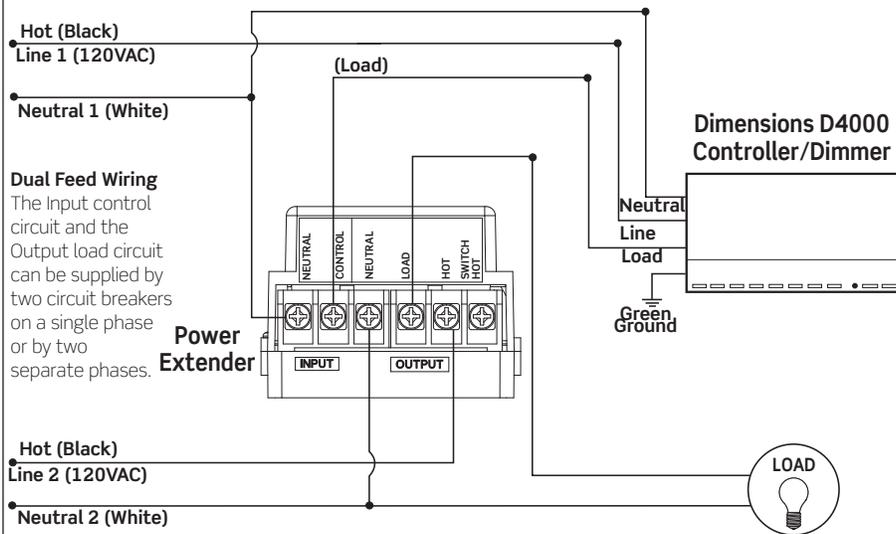
Wiring Diagram 1A: Single Feed Wiring Application w/Controller



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

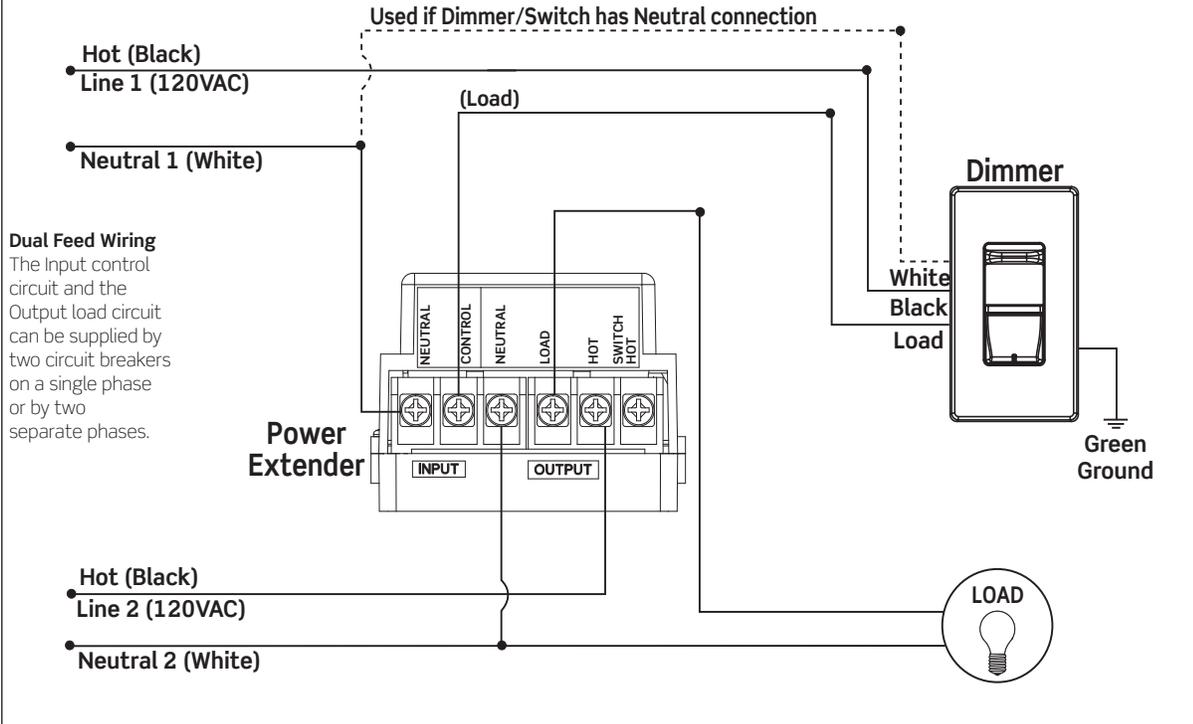


Wiring Diagram 2A: Dual Feed Wiring Application w/Controller

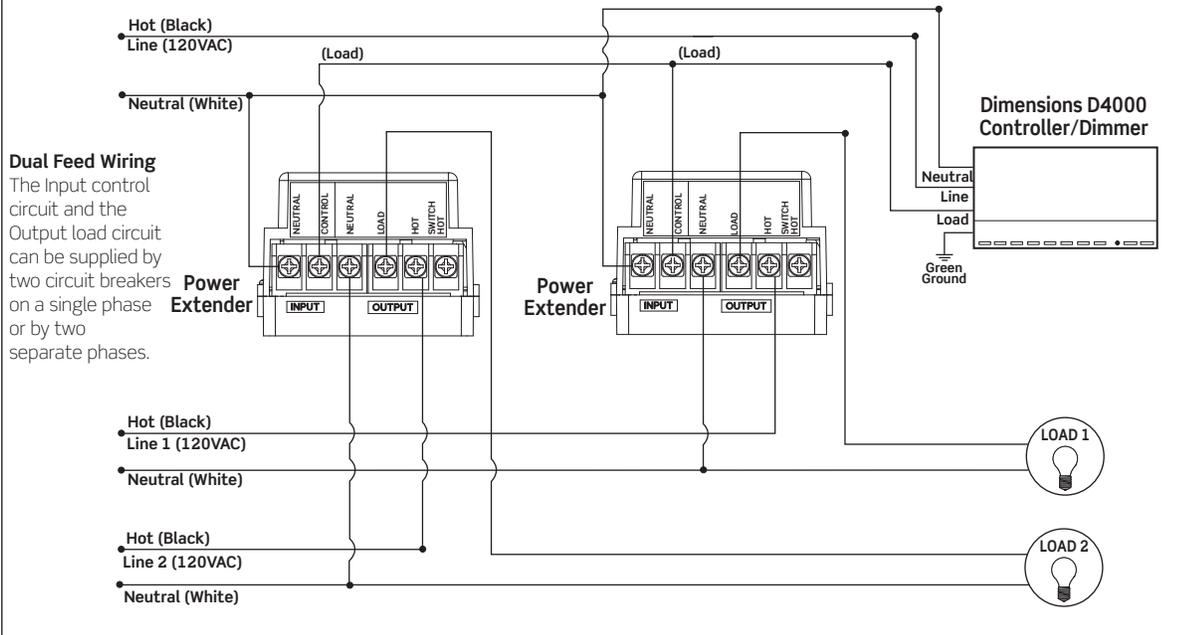


WIRING DIAGRAMS

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



Wiring Diagram 3A: Dual Feed Wiring Application with Controller/Dimmer

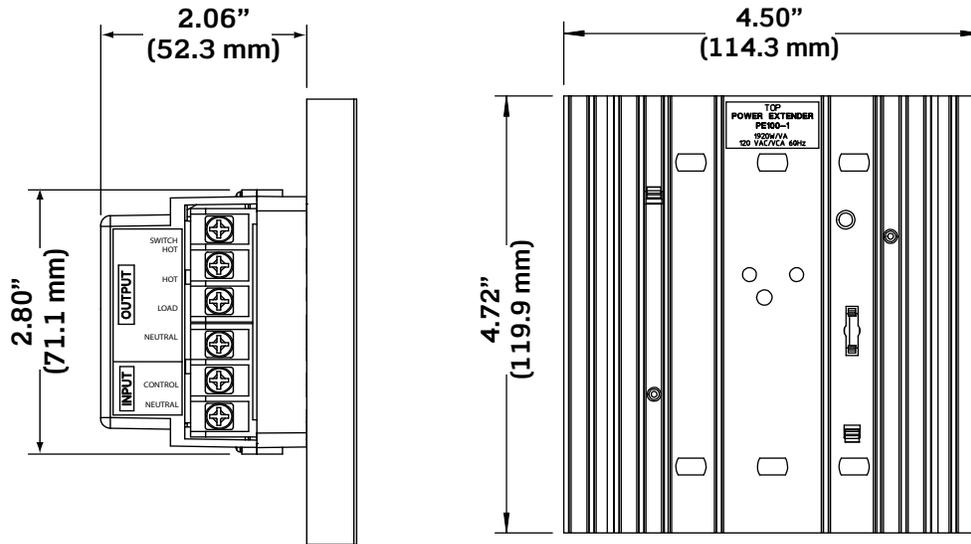


PE100 Power Extender

PRODUCT DATA



DIMENSIONS



SPECIFICATIONS

ELECTRICAL	
Input Voltage	120V, 50/60 Hz
Load Rating	960VA LED, 1920W/VA Incandescent
Load Output Power	Phase independent of control device
Dimmer Input	120V 50/60 Hz
ENVIRONMENTAL	
Operating Temperature Range	32-104°F (0-40°C)
Storage Temperature Range	14-185°F (-10°-85°C)
Relative Humidity	20-90% non-condensing
PHYSICAL	
Size	4.72"L x 4.5" W x 0.5" H (120mm x 114mm x 12.7mm)
Color	Aluminum clear anodized extruded heat sink with a snap-on molded white cover
OTHER	
Warranty	Limited 2-Year Warranty

ORDERING INFORMATION

CAT. NO.	DESCRIPTION
PE100-10W	Power Extender, 120V, 1920W/VA, Incandescent and Magnetic Low Voltage

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Visit our Website at: www.leviton.com/architecturalcontrols

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