

PE200-1/PE200-7 Power Extenders

APPLICATION

- Leviton's **PE200-1 Power Extender** allows a dimming zone's power handling capacity to be extended to a full 1920VA on 120V input power. The PE200-1 will drive 120V Advance Mark X™ or equivalent dimmable fluorescent ballasts only.
- Leviton's **PE200-7 Power Extender** allows a dimming zone's power handling capacity to be extended to a full 3000VA on 277V input power. The PE200-7 will drive 277V Advance Mark X or equivalent dimmable fluorescent ballasts

FEATURES & BENEFITS

- Works with Mark X or Hi-lume® 120V (Cat. No. PE200-1) and 277V (Cat. No. PE200-7) dimmable ballasts
- 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 Multizone Controller/Dimmer when zone is set-up as fluorescent dimmer to extend load capacity on any zone

Mark X is a trademark of the Advance Transformer Company.
Hi-lume is a registered trademark of Lutron Electronic Co., Inc.

SPECIFICATIONS

Compatibility

- For Box Mounted Dimmers: Must use a 120V, 600VA Mark X version from the following families: Monet™, IllumaTech™, Mural™, and TouchPoint™
- 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 (PE200-1); 277V 50/60Hz (PE200-7)

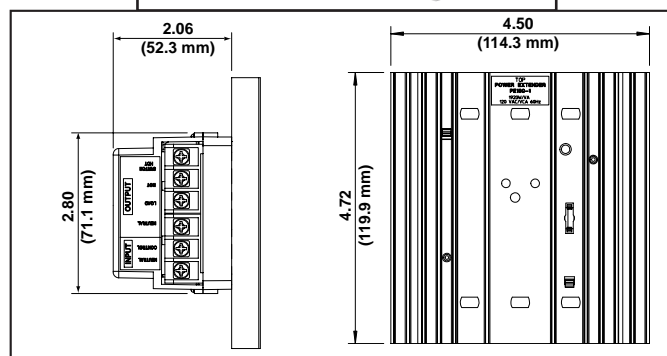
Load Rating: 1920VA@120VAC fluorescent (PE200-1);

3000VA@277VAC fluorescent (PE200-7)

Load Output Power: Phase independent of control device

Dimmer Input: 120V 50/60Hz for PE200-1 and PE200-7

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

PE200-1/PE200-7 Power Extenders

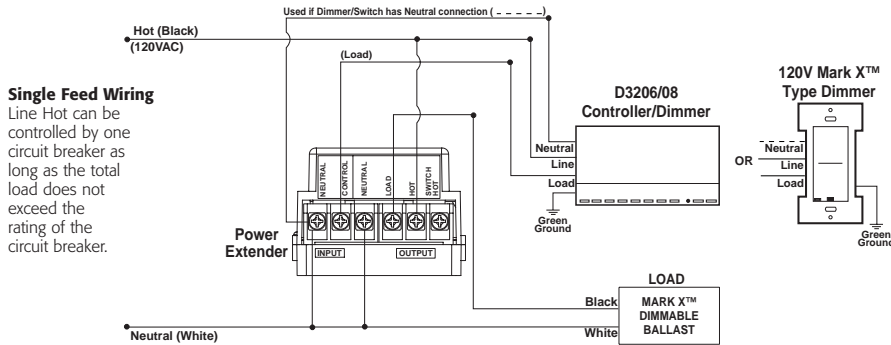


SPECIFICATION SUBMITTAL

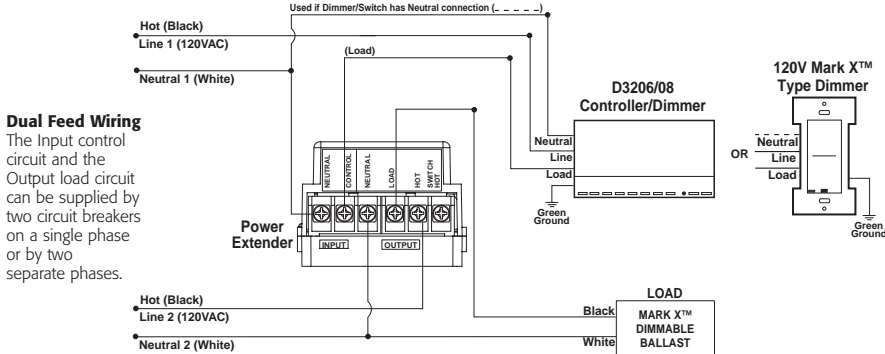
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PE200

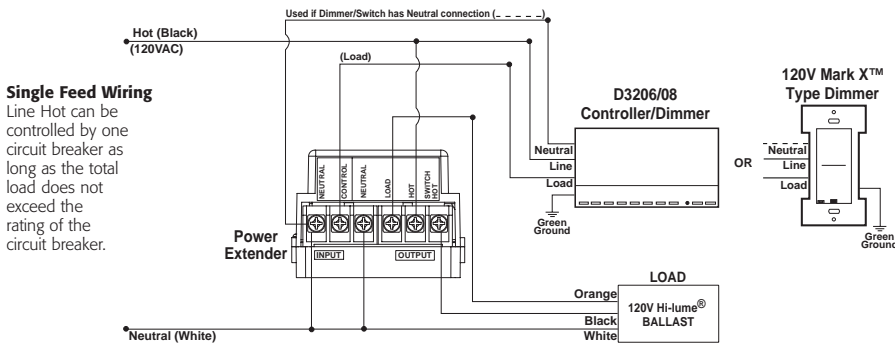
Wiring Diagram 1A
120V Single Feed Wiring Application w/Mark X™ Ballast



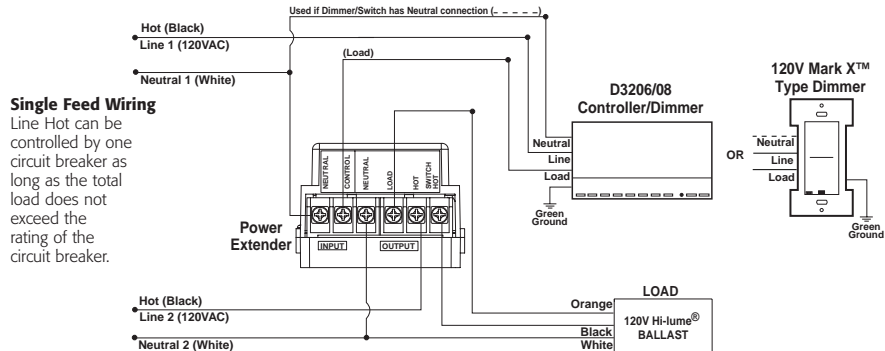
Wiring Diagram 1B
120V Dual Feed Wiring Application w/Mark X™ Ballast



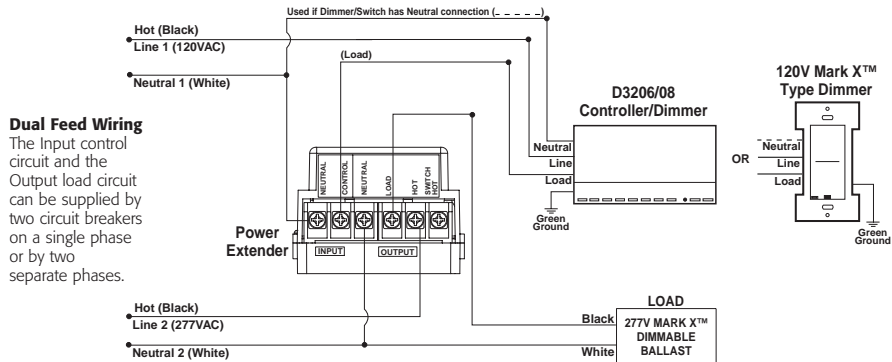
Wiring Diagram 2A
120V Single Feed Wiring Application w/Hi-lume® Ballast



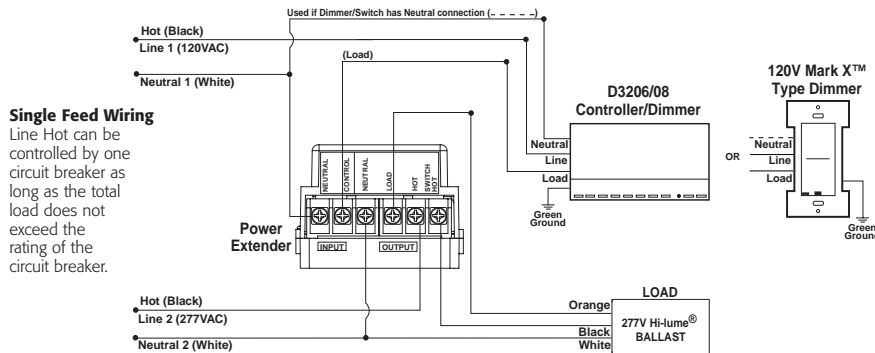
Wiring Diagram 2B
120V Dual Feed Wiring Application w/Hi-lume® Ballast



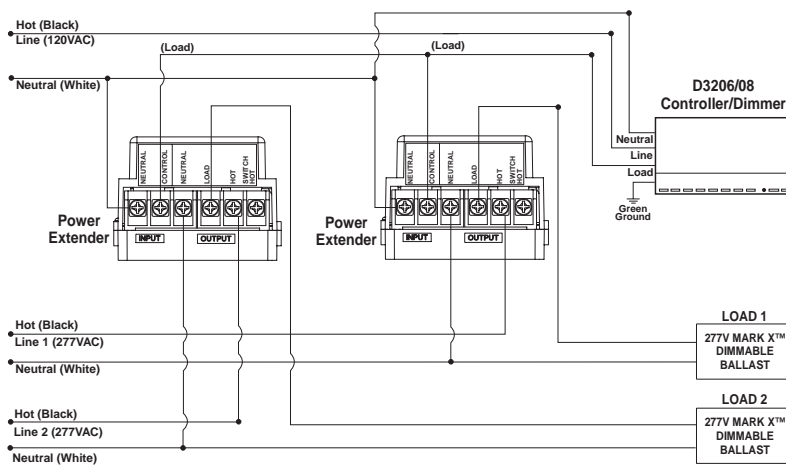
Wiring Diagram 3A
277V Dual Feed Wiring Application w/Mark X™ Ballast



Wiring Diagram 3B
277V Dual Feed Wiring Application w/Hi-lume® Ballast



Wiring Diagram 4
Dual Feed Wiring Application w/Controller and Two Power Extenders (277V depicted)



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.

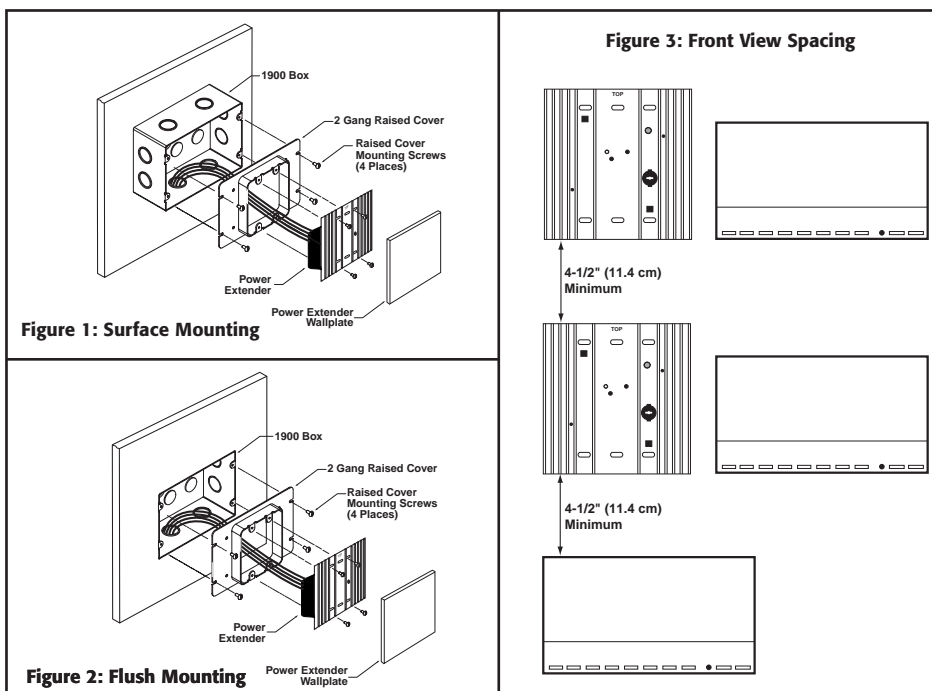
Note:
Up to 4 Power Extenders can be connected together.

PE200

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:

- 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.



LEVITON SPECIFICATION SUBMITTAL



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