

INSTRUCTIONS

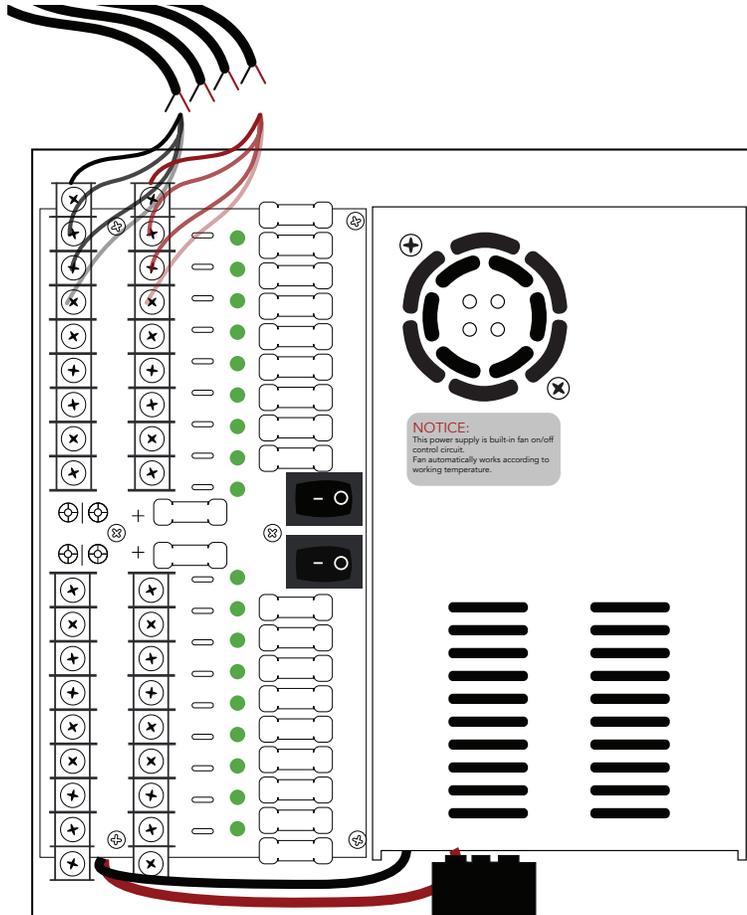
POWER PANEL

INSTALLATION



Overview

LuXout Shade 18 Output Power Panel - For use with LuXout Shades



SHOCK HAZARD
 Risk of serious injury or death. Lock circuit breaker in the off position before servicing.



SPECIFICATION SUBMITTAL

JOB NAME	MODEL NUMBERS		
JOB NUMBER			



INSTRUCTIONS POWER PANEL INSTALLATION



LSPP-12V-29A-18S

For use with LuXout Shades

100 - 120VAC/6.8A

200 - 240VAC/3.4A 12VDC 29A

Installation Instructions (Save these instructions)

Read and Follow all instructions

Tools Required:

- Wire Cutter/Stripper
- #2 Flat Head Screwdriver
- Power Drill
- #2 Phillips Screwdriver

NOTE: Mounting hardware is not included due to the wide variety of wall materials. Customer should determine the appropriate mounting hardware for their specific needs.

Box Contents: LSPP-12V-29A-18S

The Output Power Supply Panel is a surface mount plug in power supply for use with 12 volt powered shades. LSPP-12V-29A-18S simplifies the wiring and organizes installations that require multiple power supplies.

1). Important Notes

1. All wiring must be in accordance with national and local codes
2. Note: Secondary wiring must be of type CL2, CL2P, CL2R, CL2X or other cable with equivalent or better electrical, mechanical, and flammability ratings in accordance with all local and national electric codes.
3. LSPP-12V-29A-18S does not need to be installed by a qualified electrician.
4. Ambient operating temperature: 32 to 104F (0 to 40C), 0-90% humidity, non-condensing.
5. This product is intended for indoor use only.
6. This panel may not be compatible with any other shade devices.



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1221 Admiral Street | Richmond, VA | 800-817-1204

Effective: June 1, 2019

INSTRUCTIONS POWER PANEL INSTALLATION



LSPP-12V-29A-18S

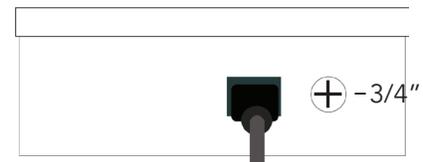
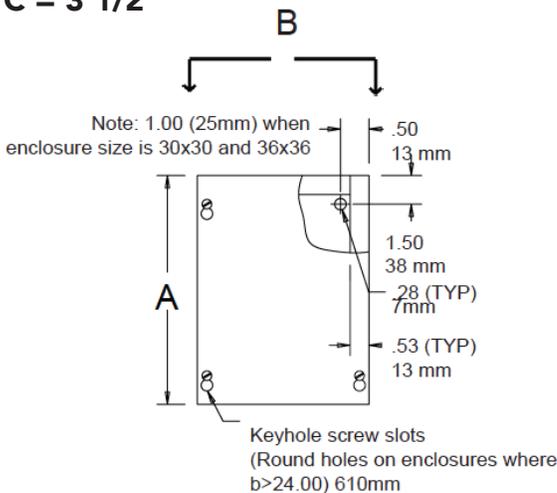
2). Installation

- A.** Open metal outer panel cover.
- B.** Choose panel mounting location so line voltage wiring is at least 6 ft (1.8 m) from audio or electronic equipment and associated wiring (prevents radio frequency interference).
- C.** Use fasteners rated for a 25 lb (11.3 kg) load.

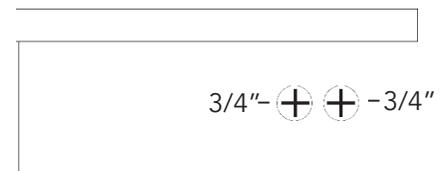
Notes:

- Mount the Power Panel in a position where it can be easily located and accessed if service or troubleshooting is necessary.
- Mount the LSPP-12V-29A-18S in the orientation shown (Mounting Hardware is not provided). Do not mount in any other orientation.
- For indoor use only.
- NEMA, Type 1 enclosure, IP30.
- Install in accordance with all national and local electrical codes.

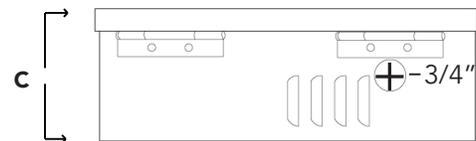
A = 11"
B = 9"
C = 3 1/2"



Bottom View
Knockout Pattern
(from outside of box)



Top View
Knockout Pattern
(from outside of box)



Left Side View
Knockout Pattern
(from outside of box)



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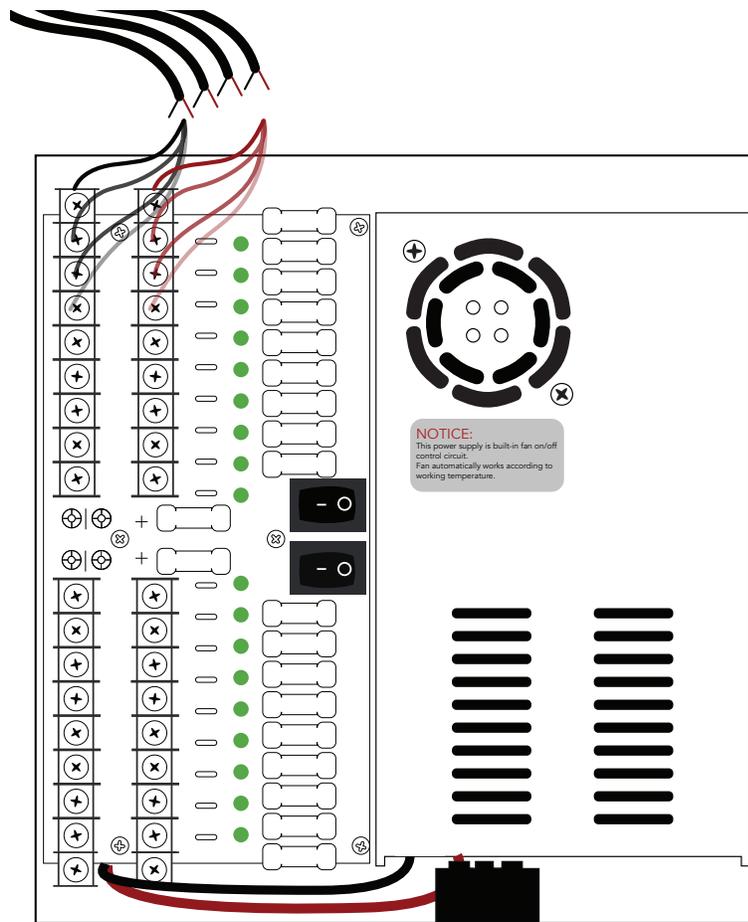
LSPP-12V-29A-18S

3). Line Voltage Wiring

A. SHOCK HAZARD. Risk of serious injury or death. Locate and lock the supply breaker in the OFF position before wiring to the screw blocks.

Note: Maximum of 2 LSPP-12V-29A-18S power supplies per 20 A breaker, or 1 per 15 A breaker.

1. Turn power off at circuit breaker.
2. Plug provided power cord into wall socket.



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LSPP-12V-29A-18S

4). Low Voltage Wiring

A. SHOCK HAZARD. Risk of serious injury or death. Locate and lock the supply breaker in the OFF position before wiring to the terminal blocks.

Note: Note: All secondary wiring must be of type CL2, CL2P, CL2R, CL2X or other cable with equivalent or better electrical, mechanical, and flammability ratings in accordance with local and national electric code.

1. Unplug panel.
2. Remove as many knockout tabs as necessary from the top of the enclosure and insert 0.50 in strain reliefs (not included) into the open knockout holes.
3. Route the wire through the strain reliefs and to the output terminal blocks.
4. Strip the wire insulation so that 0.25 in of bare wire is exposed. Insert the Common leads into the (-) Terminal screw and the +12 V leads into the (+) Terminal screw. Tighten the terminal blocks to 3.5 - 5 in•lb (0,4, -0,6 N•m). Make sure the wire insulation is not pinched.
5. Close metal cover securely back onto the enclosure and tighten the screws.
6. Restore power to the panel by plugging into outlet.
7. IMPORTANT NOTE: No more than 5, 35mm or 45mm motors can be wired to each of the sections. Do not overload section. For 25mm & 28mm motors the maximum number is 9 per section.

B. Wire Length Chart

Use this chart to determine the maximum wire length, from panel to shade, based on the gauge of the wire that is used.

	16 AWG (1.5 mm ²)	18 AWG (1 mm ²)
Distance to shade	200 ft (60 m)	125 ft (35 m)



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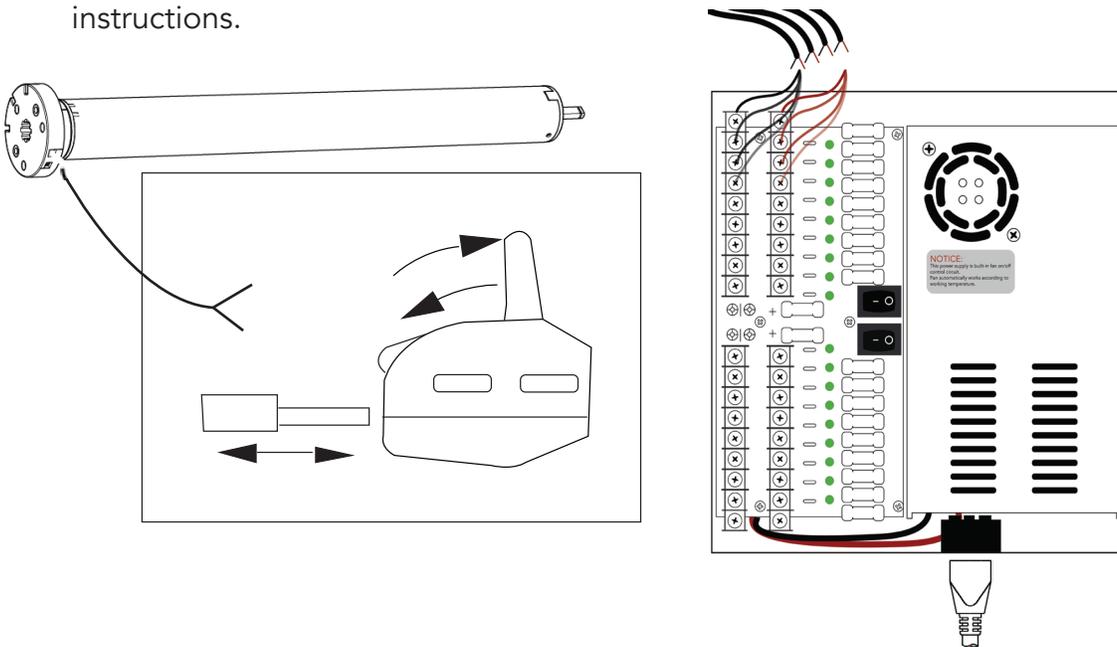


LSPP-12V-29A-18S

5). Low Voltage Wiring

A. SHOCK HAZARD. Risk of serious injury or death. Locate and lock the supply breaker in the OFF position before wiring to the terminal blocks.

1. Turn off power at the circuit breaker.
2. Route the secondary wiring to the shade so the connection to the shade wiring can be concealed in the shade headbox. Secondary wiring may be routed into the headbox either by dropping the wire in through the top of the headbox, or drilling a hole in the shade endcap.
3. Identify the shade wiring cable.
4. Remove 0.25 in (6.3 mm) of the insulation from both the white and white/black wires.
5. Connect the wires to the shade cable using the provided WAGO wire connectors. Connect the white shade wire to the +12V lead of the wiring. Connect the white/black shade wire to the common of the wiring.
6. Restore power to the Power Panel and confirm that the shade is energized. Refer to the LuXout Shade Installation and Programming guide for programming and operating instructions.



Connect the secondary wiring to the shade wiring cable via wire connectors provided.
- Connection should be concealed within headbox



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