

LumaCAN Power Supply



Front



Back

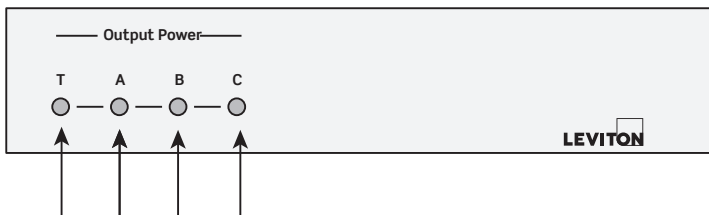
Description

The LumaCAN Power Supply is designed to provide power to LumaCAN networks. The three independent RJ45 pairs (in/out) supply power to LumaCAN devices and one set of terminals for full power output. It is also capable of providing power to other low voltage devices such as LumaCAN devices, digital switches, Sapphire™ Touch Screens and gateways. The maximum output of the power supply is 4.1A.

Applications

- Used to power multiple touch screens
- Used with a repeater when there are many devices on a high current LumaCAN run
- Used when LumaCAN line requires additional power for stations

Front Panel Configuration

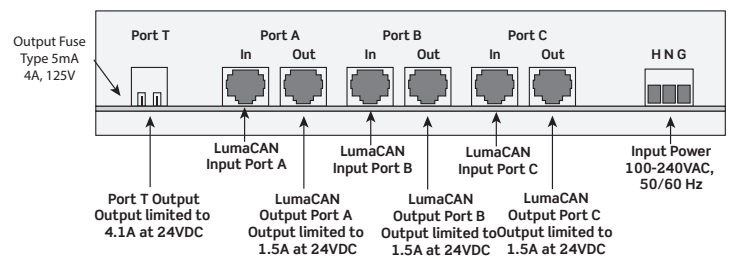


Power Indicators (lit when active, unlit when inactive)

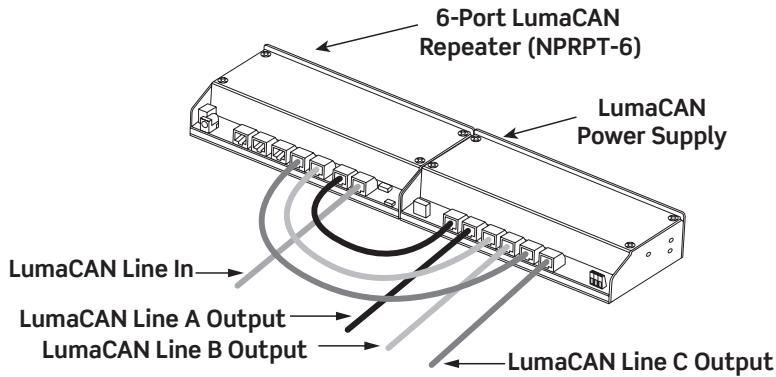
Features

- 3x current limited power to RJ45 Cat6 networks to protect building wiring
- Separate LumaCAN in/out power supplied to output
- Class 2 output
- Terminals for full 4.1A output power
- Convection cooled
- Auto-reset after overload
- Short circuit protection, continuous trip and restart (hiccup mode)
- Compact mounting—power supply is 1/2 RU installing into a traditional 19" EIA equipment rack. Power supply can be mounted side by side with other compatible devices like the repeater and NP00G Gateways to take up a single space.
- Power output through entire operating temperature range
- Power output indicators for each port—indicators shut off when in over-current or short-circuit mode

Back Panel Configuration



Wiring Diagram



Specifications

Electrical

Input	100-240VAC 50/60 Hz, 1.9A Max
Max Output	Regulated +24VDC, 4.1A, 100W
Output	Over-current or short-circuit, automatic recovery, voltage reduction for overcurrent
Output Ports	(4) Max Output rating of 4.1A cannot be exceeded, calculate max as sum of output on each port:: Port T, +24V/Com Terminals: 100W, 4A - Port A: LumaCAN, RJ45, 1.5A - Port B: LumaCAN, RJ45, 1.5A - Port C: LumaCAN, RJ45, 1.5A

Environmental

Ambient Operating Temperature	32 to 104°F (0 to 40°C)
Storage Temperature	-13 to 185°F (-25 to 85°C)
Operating Humidity	0-90% non-condensing
Mean Time Between Failures (MTFB)	>100,000 hours

Other

Dimensions	8.69" (22.09cm) x 4.99" (12.67cm) x 1.54" (3.93cm)
Listings	ETL listed for US and Canada, CE Immunity - EN6100, CE conducted and radiated EMI - EN550022, FCC Class A

Ordering Information

LumaCAN Power Supply

Cat. No.	Description
PST24-R41	LumaCAN Power Supply
EIA00-S01	1RU 19" EIA Rack, surface mount enclosure, opening on side

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