



Atx Led Consultants Inc
1108 Lavaca St
STE 110-489
Austin Tx, 78701
512 377 6052

<http://atx-led.com>

AL-PSE-DIN 2 or 4 port Distribution panel for 4 x 96 Watts Class 2

[Product Description - AL-PSE-DIN](#)

This structured wiring panel device mounts into the standard Leviton 47605 case and provides Class 2 power from Class 2 inputs to 2 or 4 power outputs. Ideal for up to 60 light fixtures and up to 32 Light switches.

No output can exceed the power supplied by any one input – input power is NOT consolidated, therefore regardless of the number of supplies attached, the output current remains Class 2 assuming that the input power supply is class 2 (100 watts) per NEC 2017 requirements.

It has four DIN4 type power inputs (designed for the AL-PS-51v96w supplies), directly connected to KF type connector outputs. It is housed in a case ideal for structured wiring panels.

It uses quick connect 3 pin, 5 amp rated output connectors. Voltage range is 12 to 56 volts.. Earth connection is provided for static discharge management.

Ideally matched with 2 or 4 pcs of the AL-PS-51v96w, the AL-PSE-DIN is a member of the ATX family for quick installation in Media Panels.



DIN rail Format

Use a standard DIN rail strip - these DIN Rails have slots that fit the Leviton 47605 case using the Leviton Push pins.



Chassis Mount

Specifications

Power source	DIN4 connectors for the AL-PSU-51v96w (2 or 4)
AL-WS switch output power	KF246-3P (+ Power, - Power, Earth) (2 or 4)
Input voltage range	12v to 56 volts, 3 Amps (2 amps at 51v)
Current Limit	This device relies on the Class 2 current limit from the power source. For example, the AL-PS-51v96w.
Internal Power consumption	0
Failover Redundancy	Not available on this model – please see other PSE models
Operating Temperature	0°C ~ 50°C
Size	70 mm x 42 mm (4) 42 mm x 42 mm (2)
Mounting tabs	DIN Rail standard, Optional Chassis mount
Hot Swap	Yes – can unplug and connect input power live
Earth Ground	Connection for earth grounding (via DIN connector)
DIN Rail	See the T+G listing on Amazon – B07NVWD67L

Output Voltage

The Red terminals are +51v from the AL-PS-51v96w. Black is the -51v. Gray is the Earth grounding connection. Use the AWG 18/5 wire recommended for AL-WS-DR2 installations, and fold the Yellow and White wires back for future use.

Connect Red to Red, Black to Blue and Gray to Green.

Earth Grounding

Earth grounding is recommended for static discharge of people using the wall switches. In a proper installation with the AL-PS-51v96w power supply – the 120vac power socket should have an earth ground. That earth ground flows thru the DIN4 connector to the outputs. In cases where the AL-PS-51v96w is not used – connect an awg18 wire from the gray connector to an earth ground.

Redundancy

Not available on this model. Contact us for an upgrade to AL-PSE-4D or AL-PSE-4

AL-51v96w Power Brick

The AL-51v96w power supply was designed for use with the AL-PSE-DIN4, AL-PSE-4 or AL-PSE-4D

Ordering part numbers

Model	Number of Outputs
AL-PSE-DIN2	2
AL-PSE-DIN4	4

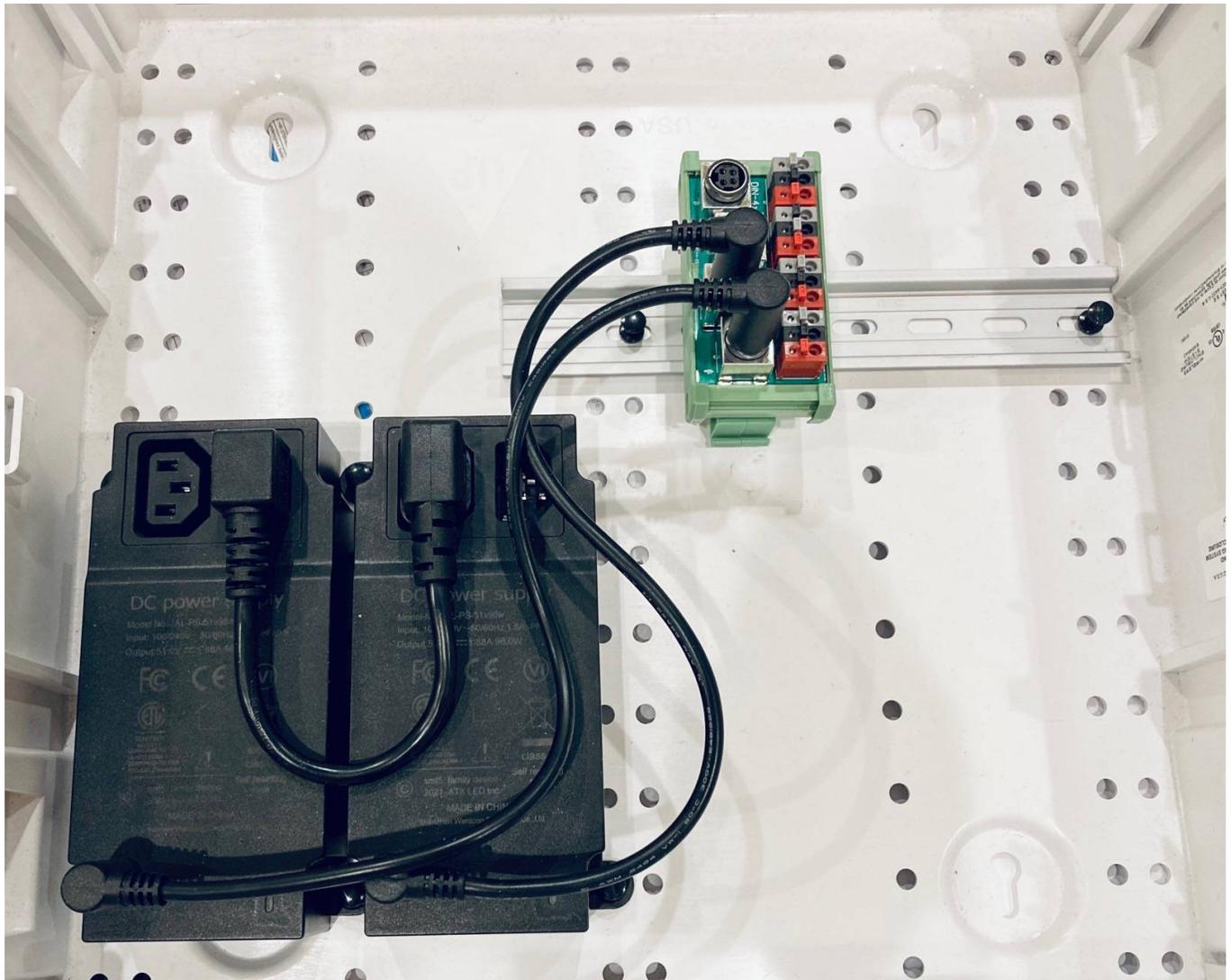
Min. DIN 4 Pin

(female)



Pin Assignment

PIN No.	Output
1	+Vo
2	-Vo
3	+Vo
4	-Vo



Alternative Method for single power supply installations

