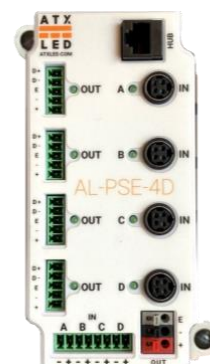


AL-PSE-4D

POWER SUPPLY



4 Outlet Power Distribution Module

The AL-PSE-4D structured wiring panel provides NEC Class 2 power to four power outputs. It is ideal for up to 65 light fixtures and up to 32 light switches.

The AL-PSE-4D has four 96-Watt power inputs, with relay power failover management, and is housed in a case ideal for structured wiring panels. The power inputs are relay routed to four outputs, each providing load balancing and failover. The AL-PSE-4D uses quick connect 5 A rated connectors. Earth connection is provided for static discharge management.

The AL-PSE-4D is ideally matched with 4 pcs of the AL-PS-51V96W and is a member of the ATX LED SML family for quick installation in media panels.

Key Specifications

Electrical/Operational	
Input voltage range	44 V to 56 V
Internal power consumption	50 mW standby
Protection	Reverse protection and static protection
Operating temperature	0°C to 50°C
Current limit	Class 2 current limit from the power source
Standard Connections	
DALI interface	Two lines per output allow for DALI bus data
DC output connector	1 KF246 type with power from any inputs, fused at 2 A
Power source	KF 3.81mm connectors (4 x 2 pin or 1x8 pin)
Failover	Relays from 4 DC power inputs ensures all outputs are live
Failover detection	Cutover at less than 44 V IN
Earth ground	Yes
Hot swap	Yes

Features

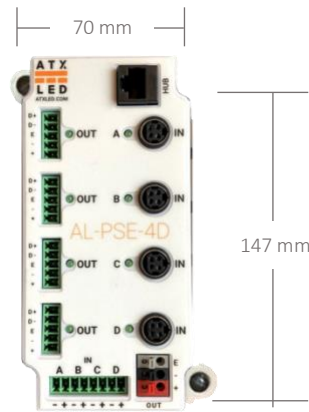
- SML format for easy installation into standard media enclosure
- Supports 65 fixtures and 32 switches
- Provides 4 x 96 W NEC Class 2 power
- Power status managed by DABus control
- Provides PoE power
- Provides power for Doorbell Cameras
- Cool operation
- Status lights
- Relay failover

Certifications

- UL listing pending per IEC 60730
- Meets FCC RF standards for minimal interference

Dimensions

External size	70 mm x 147 mm x 30 mm
Tabs	10 mm (x2 on 70 mm side)
Horizontal between tabs	76.2 mm
Vertical between tabs	127 mm



Quick Connect Power Outlets

The KF246 connector (Red, Black, Gray) is provided to source 51 V for 802.3 at and similar PoE switches. This output is fused at 2 A (Class 2) and is intended to be used to power a PoE switch or other 48 V device. Red is +51 V, black is -51 V, gray is earth ground.

Pin Assignments

Min. DIN 4 Pin (female)	Pin Assignment	
	PIN No.	Output
	1	+Vo
	2	-Vo
	3	+Vo
	4	-Vo

Part Numbering

AL	-	PSE	-	4D
ATX LED		Description		Variety