

PDS8 and PDS8CB Dual Input Power Distribution Modules

Description

Altronix PDS8 and PDS8CB dual input power distribution modules are designed to steer the power from either two (2) low voltage AC or DC power sources. The two Inputs can be either, both DC (e.g. 12VDC and 24VDC) or both AC (e.g. 16VAC and 24VAC). That power is distributed over a total of eight (8) fuse or PTC protected outputs. The spade connectors allow you to daisy chain multiple PDS8/PDS8CB modules. This feature allows you to distribute the power over more outputs for larger systems.



PDS8

Specifications

Input

Voltage Range

PDS8: 5VDC to 24VDC, up to 10A each or 16VAC to 28VAC, 60Hz, up to 10A each, 20A total input.

PDS8CB: 5VDC to 24VDC up to 10A each or 16VAC to 28VAC, 60Hz, up to 10A each, 16A total input.

Main Fuse Rating 10A.

Outputs

PDS8: Fuse protected outputs rated @ 3A per output, non power-limited. Total output 20A max.

PDS8CB: PTC protected outputs rated @ 2A per output, Class 2 power-limited. Total output 16A max.

Do not exceed the individual power supply ratings.

Any of the eight (8) fuse protected power outputs are selectable to follow power Input 1 or Input 2.

Individual outputs may be set to OFF position for servicing.

Outputs Ratings:

PDS8: 4.8 - 24 VDC or 15.8 - 28 VAC.

PDS8CB: 4.8 - 24 VDC or 15.6 - 28 VAC.

Indicators (LED)

DC Output

Individual voltage LEDs indicate 12VDC (Green) or 24VDC (Red and Green).

Features

Multiple units may be daisy-chained to accommodate larger systems.

Agency Listings

UL/cUL:

UL 294 6th Edition: Access Control System Units.

ULC-S319: Electronic Access Control Systems.

Physical and Environmental

Dimensions (L x W x H)

5.375" x 3" x 1" (136.5mm x 76.2mm x 25.4mm).

Product Weight 0.4 lbs. (0.18 kg).

Shipping Weight 0.5 lbs. (0.23 kg).

Temperature

Operating 0°C to 49°C (32°F to 120°F).

Storage -20°C to 70°C (-4°F to 158°F).

Relative Humidity 85% +/-5%.

Mounting hardware included.

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PDS8K1 and PDS8CBK1

Altronix offers PDS8(CB) kits which include a dual output Power Distribution Module and VR6 - Voltage Regulator, along with all necessary hardware.

Altronix VR6 & PDS8 easily snap together to provide 5VDC or 12VDC and 24VDC simultaneously – individually selectable over each of the 8 outputs... all on one footprint!

- VR6 reduces the cost of adding another power supply.
- PDS8 is designed to piggyback onto the VR6 making an instant plug-in connection via common standoffs.
- Stackable mounting configuration saves valuable enclosure space.



Board Dimensions (L x W x H) and Drawing

5.375" x 3" x 1" (136.5mm x 76.2mm x 25.4mm)

