



PD16W, PD16WCB UL Listed Sub-Assembly Power Distribution Modules

Overview:

These UL Listed Sub-Assembly power distribution modules convert a single AC or DC input into sixteen (16) individually fused or PTC protected outputs.

Power Distribution Module Configuration Reference Chart:

Altronix Model Number	Number of Outputs	PTC Protected Outputs (Class 2 power-limited)	Fuse Protected Outputs	Output Current (max per output do not exceed total output)	Total output 12VDC or 24VDC*	Total output 24VAC or 28VAC*
PD16W	16	—	✓	2.5A	10A	12A
PD16WCB	16	✓	—	2A	10A	12A

*Total output is limited by the total output of UL Listed power supply employed.

Specifications:

Agency Listings:

- UL Listed Sub-Assembly for Access Control System Units (UL 294), Power Supplies for Fire Protective Signaling Systems (UL 1481), and Power Supplies for Use with Burglar Alarm Systems (UL 603).
- cUL Listed: General Signaling Equipment Evaluated to CSA Standard C22.2 No.205-M1983. Power Supplies for Burglar Alarm Systems ULC-5318-96.



Input:

- 12VDC or 24VDC, up to 10A.
- 24VAC or 28VAC, up to 12A.

Fuse Ratings:

- Fuses are rated @ 3.5A/250V.

PTC Ratings:

- PTCs are rated @ 2A/250V.

Visual Indicators:

- Power output LED indicator (PD16W, PD16WCB).

Board Dimensions (W x L x H approximate):

6" x 5.875" x 0.95" (152.4mm x 149.225mm x 24.13mm).

Installation Instructions:

Wiring methods shall be in accordance with the National Electrical Code/NFPA 70/NFPA 72/ANSI, and with all local codes and authorities having jurisdiction. Product is intended for indoor use only and should be installed by qualified personnel.

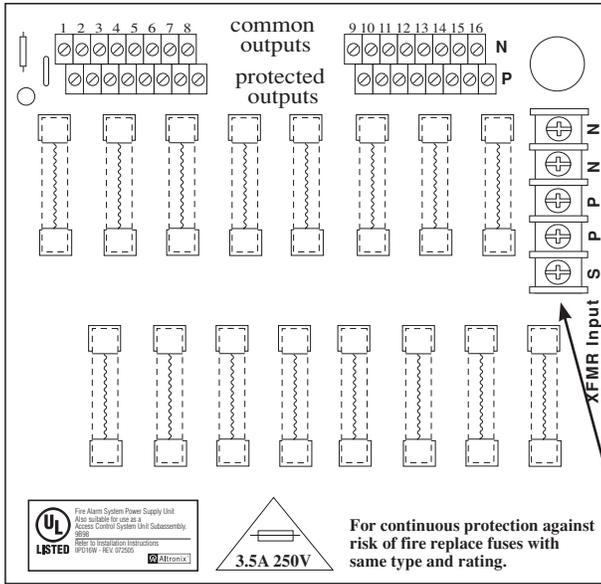
1. Refer to Sub-Assembly Installation Instruction for mounting Rev. MS042511.
2. Connect the desired UL Listed power supply output of a suitable rating to terminals marked [INPUT] (Fig. 1a, pg. 2).
3. Measure output voltage before connecting devices. This helps avoid potential damage. All terminals with common suffix P 1P, 2P..." are same polarity.
4. Connect each device to terminal pairs 1 to 16, marked [1P - 1N] through [16P - 16N] (Fig. 1, pg. 2). For DC applications "N" terminals are negative and "P" terminals are positive. **Note:** Observe polarity.

Note: This product is a UL Listed Sub-Assembly for use with Altronix UL Listed power supplies as indicated in the installation manuals for the power supply.

WARNING: To reduce the risk of fire or electric shock, do not expose the unit to rain or moisture. Replace fuses only with the same type and rating 3.5A/250V.

Fig. 1

PD16W



PD16WCB

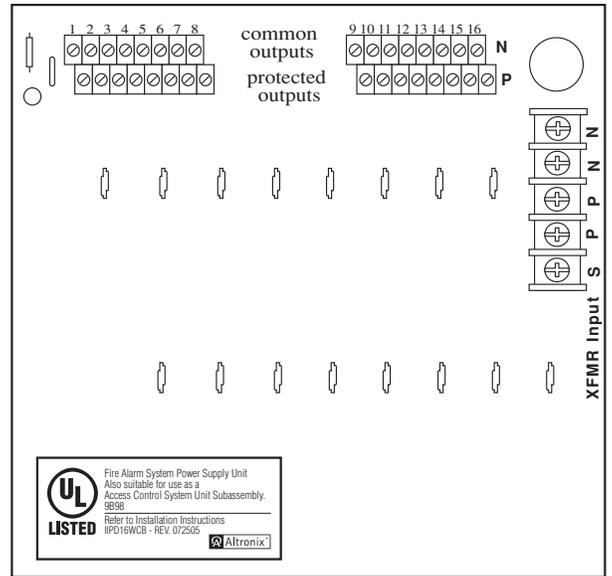
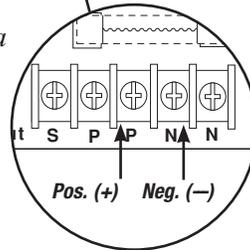


Fig. 1a



* If DC power supply is used, connect negative to "N" and positive to "P" terminals.