



Altronix®

PD16W, PD16WCB

UL Listed Sub-Assembly Power Distribution Modules

Overview:

PD16W and PD16WCB 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 Auto-Resettable 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

SECURITY SIGNALING **UL 294*** Access Control System Units.

*Access Control Performance Levels:

Destructive Attack - N/A (sub-assembly);
Endurance - IV; Line Security - I;
Stand-by Power - I.



UL 603 Power Supplies for Use with Burglar Alarm Systems.

UL 1481 Power Supplies for Fire Protective Signaling Systems.

- cUL Listed:

General Signaling Equipment Evaluated to CSA Standard C22.2 No.205-M1983.
Power Supplies for Burglar Alarm Systems ULC-S318-96.

- CE European Conformity.



Input:

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

Outputs:

- Four (4) individually fuse protected outputs @ 2.5A per output max. current (total output current should not exceed max. current rating of power supply employed).

Fuse Ratings:

- Fuses are rated @ 3.5A/250V.

PTC Ratings:

- PTCs are rated @ 2A/250V.

Visual Indicators:

- Power On green LED indicator.

Board Dimensions (W x L x H approximate):

3.25" x 5.25" x 1" (82.6mm x 133.4mm x 25.4mm).

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. MS020119.
2. Mount PD16W(CB) in the desired location/enclosure (mounting hardware included).
3. Connect the desired UL Listed power supply output of a suitable rating to terminals marked [INPUT] (Fig. 1a, pg. 2).
4. Measure output voltage before connecting devices. This helps avoiding potential damage.
All terminals with common suffix P "1P, 2P..." are same polarity.
5. 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

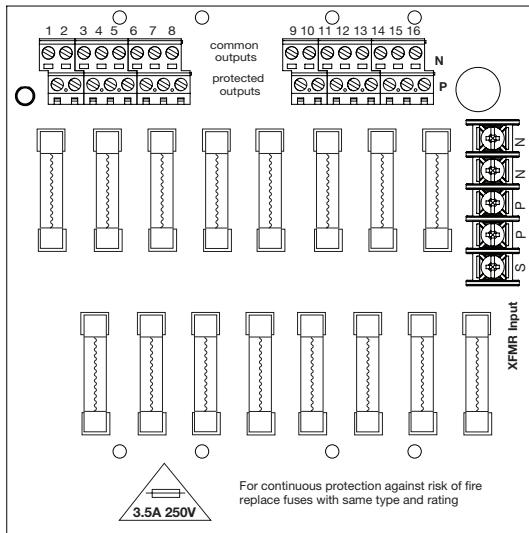
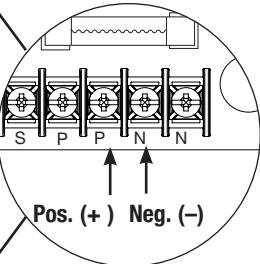
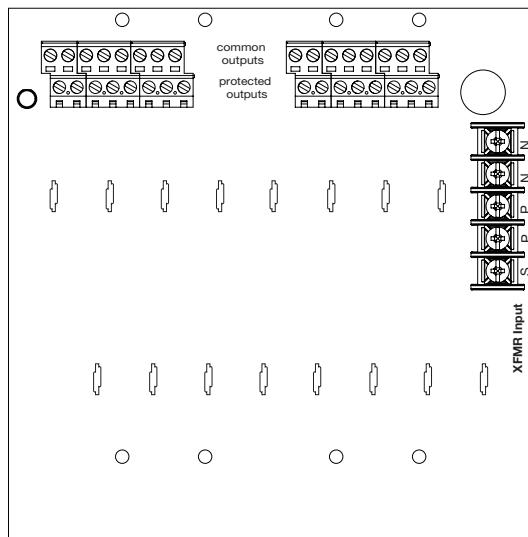


Fig. 1a



PD16WCB



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