

### Overview:

PD8ULCB is a UL Listed Sub-Assembly power distribution module designed to convert a single AC or DC input into eight (8) PTC protected Class 2 Rated power-limited auto-resettable outputs.

### Specifications:

#### Agency Listings:

##### • UL Listed Sub-Assembly for



**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.

#### Input:

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

#### Outputs:

- Eight (8) individually PTC protected outputs @ 2.5A per output max. current (total output current should not exceed max. current rating of power supply employed).

#### PTC Ratings:

- PTCs are rated @ 2.5A/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 PD8ULCB in the desired location/enclosure (mounting hardware included).
3. Connect the desired power supply output to the terminals marked [INPUT] (Fig. 1).

**Note:** Left terminal is NEG. (-) and right terminal is POS. (+) (Fig. 1).

4. Measure output voltage before connecting devices. This helps avoiding potential damage.
5. Connect devices to be powered to the terminal pairs 1 to 4, marked [1P - 1N] through [4P - 4N].  
All terminals with common suffix P "1P, 2P..." are the same 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.

**NOTE:** DC outputs are power-limited.

**CAUTION:** Do not expose to rain or moisture.

(#P) Positive DC outputs  
(#N) Negative DC outputs

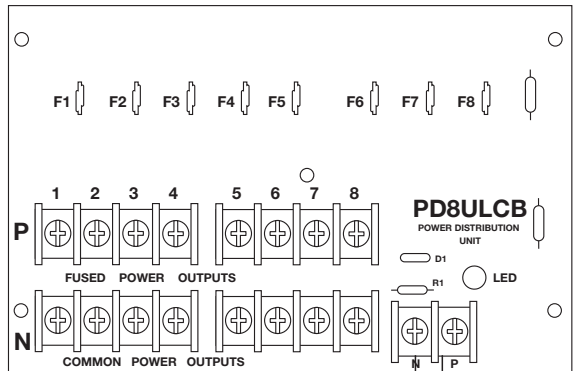


Fig. 1

DC Negative (-) Input      DC Positive (+) Input

Altronix is not responsible for any typographical errors.

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