



ALTV1224-DC2 CCTV Camera & Accessory Power Supply

Overview:

The Altronix ALTV1224-DC2 DC CCTV Power Supply is designed with sixteen (16) individually fused outputs for powering CCTV Cameras and other video accessories. It will provide 12 or 24 VDC distributed via sixteen (16) fuse output with a total of 6 AMPS continuous supply current.

Specifications:

- Input 115VAC 60Hz, 1.45.
 - Sixteen (16) individually fused outputs.
 - 6 amps continuous supply current.
 - Output fuses are rated at 3.5 amps / 250VAC (Fig. 1).
 - Main fuses are rated at 5 amps / 250VAC (Fig. 1).
 - Switch selectable 12VDC or 24VDC output.
 - Filtered and electronically regulated outputs.
 - AC input and DC output LED indicator.
 - Power ON/OFF switch.
 - Surge protection.
 - Spare fuses included.
 - Ease of installation saves time and eliminates costly labor.
 - Unit maintains camera synchronization.
 - Unit is supplied assembled in enclosure.
- Enclosure dimensions: 15.5"H x 12"W x 4.5"D

Optional available with 220VAC input
order model # ALTV1224-DC2/220.

Power Supply Output Specifications:

Output VDC	Switch Position	Maximum Load DC
12VDC	SW1 Closed	6 amps
24VDC	SW1 Open	6 amps

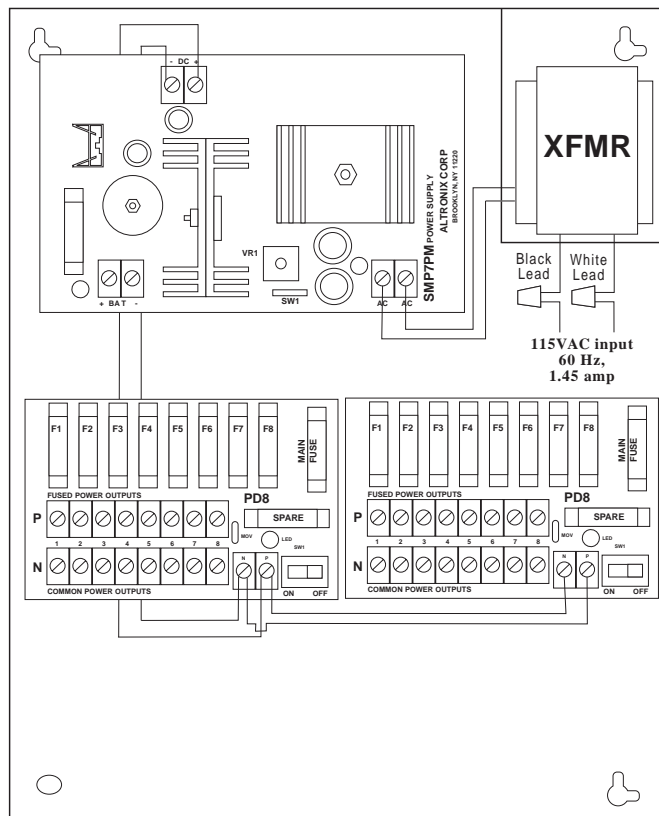


Fig. 1

Installation Instructions:

1. Mount ALTV1224-DC2 enclosure in desired locations.
2. Slide switch SW1 (Fig. 1) to OFF position.
3. Set the ALTV1224-DC2 to desired DC output voltage by setting switch (SW1) (Fig. 1) on the power supply board to the appropriate position (see power supply output specification table).
4. Connect the AC (115 VAC 50 / 60 Hz) to the black and white flying leads of the transformer (Fig. 1).
5. Connect each DC device to output terminals using the following procedure (Fig. 1).
 - Note:** Be careful to observe camera polarity.
 - Circuit Board A - Camera 1 thru 8 output terminals 1P & 1N thru 8P & 8N.
 - Circuit Board B - Camera 9 thru 16 output terminals 1P & 1N thru 8P & 8N.
 - Note:** It is good operating practice to measure output voltage before connecting devices.
6. When batteries are being used the DC output voltage must be adjusted by turning the trim pot VR1 (Fig. 1) clockwise to increase the output voltage to 13.7 VDC for 12 VDC operation and 27.1 vdc for 24 vdc operation. Connect battery to terminals marked [- BAT +] (Fig. 1) (battery leads included). Use two(2) 12VDC batteries connected in series for 24VDC operation.
- CAUTION:** Determine the maximum operating voltage of the equipment being powered before adjusting the output voltage.
7. Slide switch SW1 (see Fig. 1, #1) to ON position.
8. Green LED on the PD8's will illuminate when power is present..
9. Upon completion of wiring, secure enclosure door with screws (supplied).

WARNING: To reduce the risk of fire or electric shock, do not expose the unit to rain or moisture. This installation should be made by qualified service personnel and should conform to all local codes and in accordance with the National Electrical Code.

Terminal Identification:

SMP7

Terminal Legend	Function/Description
AC/ AC	Low voltage AC input (28VAC / 175VA) Altronix part # T28140.
+ DC -	12 or 24VDC @ 6 amps total continuous output.
- BAT +	Stand-by battery connections. Maximum charge rate .5 amp.

PD8

1P - 8P	Positive DC power outputs.
1N - 8N	Negative DC power outputs.

Enclosure Dimensions:

15.5”L x 12”W x 4.5”D

