



SMP10-C24X High Current Power Supply / Charger

Overview:

The Altronix SMP10-C24X High Current Power Supply/Charger is specifically designed to provide the power needed for heavy duty security and access control applications. It will provide 10 AMPS continuous output power at 24 VDC.

Specifications:

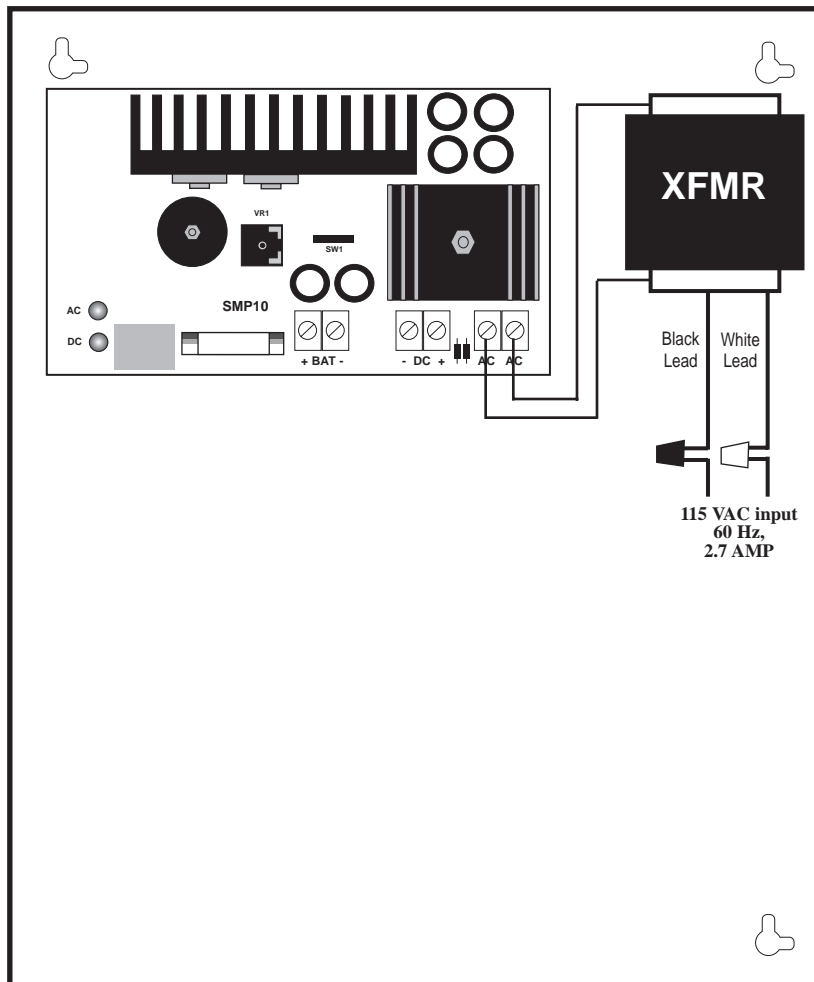
- 24VDC output (SW1 must be closed or output will be 12VDC).
- 10 AMP continuous supply current.
- Input 115 VAC 60Hz, 2.7 AMPS.
- Zero voltage drop when switching to battery backup.
- Filtered and electronically regulated output.
- Built-in charger for sealed lead acid or gel type batteries.
- Automatic switchover to stand-by battery when AC Fails.
- Thermal and short circuit protection with auto reset.
- Circuit breaker (PTC) battery protection.
- AC input and DC output LED indicators.
- Includes battery leads.

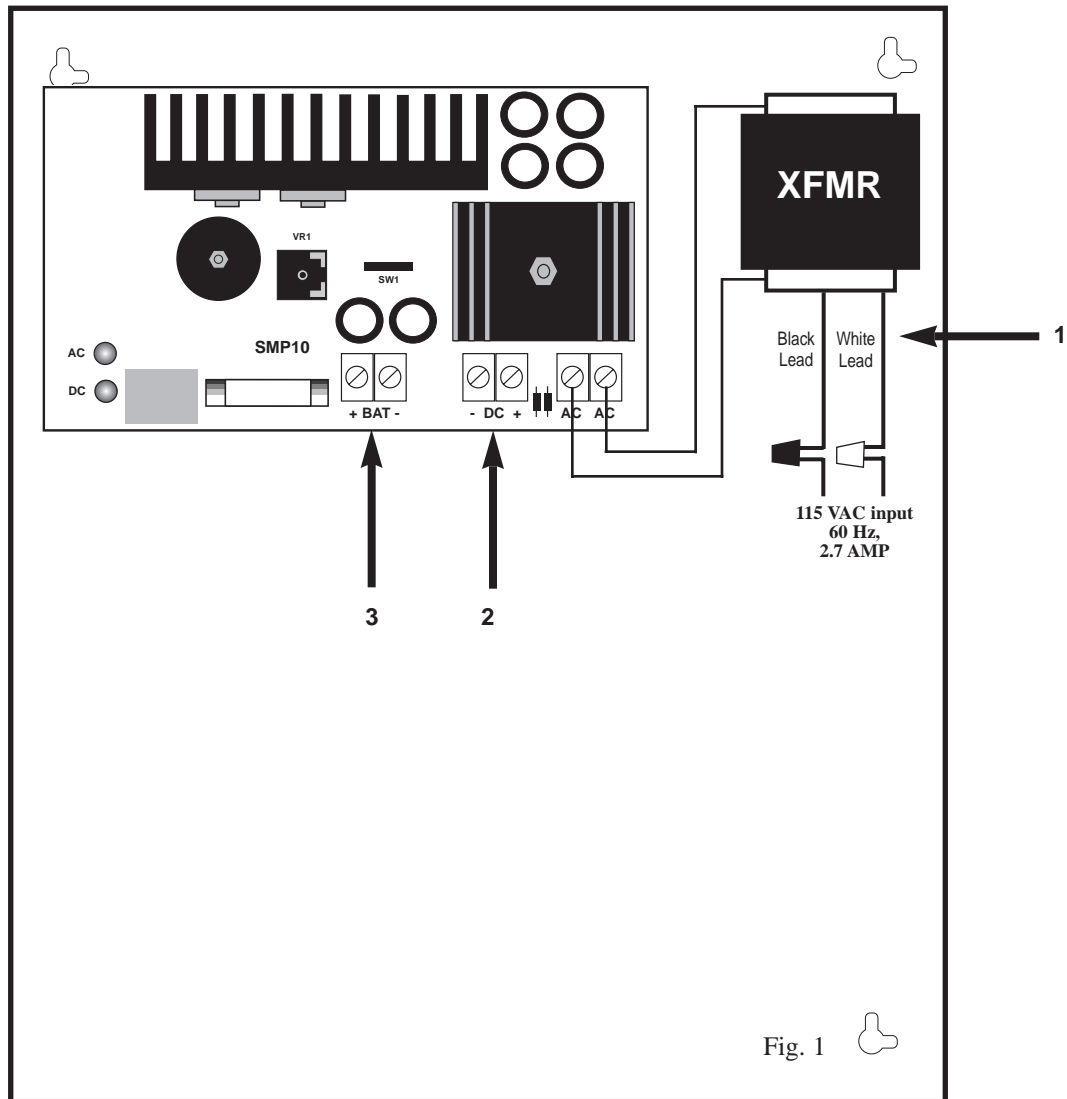
Enclosure dimensions:
15.5" L x 12" W x 4.5" H

Installation Instructions:

The SMP10-C24X should be installed in accordance with The National Electrical Code and all applicable Local Regulations.

1. Mount the SMP10-C24X in desired location.
2. Connect AC power to the black and white flying leads of the transformer.
Use 18 AWG or larger for all power connections (Battery, DC output).
3. Connect devices to be powered to terminals marked + DC - (see Fig. 1, #2).
Note: It is good operating practice to measure and verify output voltage before connecting devices to ensure proper operation of equipment.
4. Connect battery to terminals + BAT - (see Fig. 1, #3) as marked on the unit (battery leads included).
Use two (2) 12VDC batteries connected in series for 24VDC operation.
Note: When batteries are not used a loss of AC will result in loss of output voltage.





Terminal Identification:

Terminal Legend	Function/Description
AC/AC	Low voltage AC input (28VAC 336VA).
BAT+, BAT-	Stand-by battery connections.
DC+, DC-	24VDC 10 AMP continuous output

LED Diagnostics:

Red (DC)	Green (AC)	Power Supply Status
ON	ON	Normal operating condition
ON	OFF	Loss of AC, Stand-by battery supplying power
OFF	ON	No DC output
OFF	OFF	Loss of AC. Discharged or missing stand-by battery. No DC output.