



# PM212 - Supervised Linear Power Supply / Charger

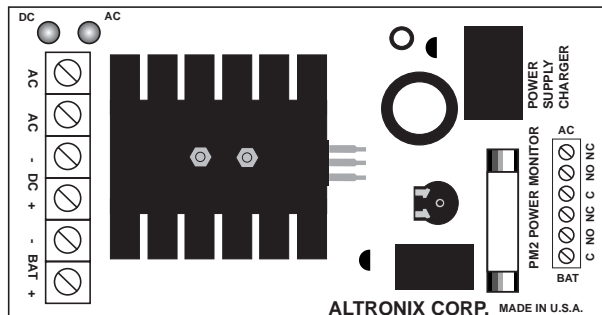
## Overview:

The PM212 supervised linear power supply/charger converts a low voltage “AC” input to a filtered and regulated 12VDC, 1 amp continuous power limited output.

## Specifications:

- 12 VDC output
- 1 amp continuous supply current
- 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
- Fused battery protection (circuit breakers available)
- AC input and DC output LED indicators
- AC fail supervision (form “C” contacts)
- Low battery supervision (form “C” contacts)
- Low battery disconnect prevents batteries from deep discharge
- Includes battery leads

Board dimensions: 5.25"L x 2.75"W x 1.5"H



## Installation Instructions:

1. Connect proper transformer (16 VAC, 20 VA) to terminals marked “AC.”
2. Connect devices to be powered to terminals marked - DC +, carefully observing polarity.  
Note: It is good operating practice to measure and verify output voltage before connecting devices to ensure proper operation of equipment.
3. When the use of stand-by batteries are desired, they must be lead acid or gel type.  
Connect battery to terminals - BAT + as marked on the unit (battery leads included).  
Note: When batteries are not used a loss of AC will result in the loss of output voltage.
4. Connect appropriate signaling notification devices to AC Fail & Low battery supervisory relay outputs marked C, NO, NC.  
Note: During normal operation (AC and battery connected). the NC and C relay contacts will be in the closed position and the NO and C relay contacts will be in the open position. These contacts are rated at 2 amps, 120 VAC.

Terminal Identification	Function/Description
AC / AC	Low voltage AC input (16VAC / 20VA min.). Altronix part # TP1620.
+ DC -	12VDC 1 AMP continuous power limited output.
AC FAIL NC, C, NO	Used to notify loss of AC power, e.g. connect to audible device or alarm panel. Relay normally energized when AC power is present. Contact rating 2AMP @ 120VAC / 28VDC
Low Battery NC, C, NO	Used to indicate low battery condition, e.g. connect to alarm panel. Relay normally energized when DC power is present. Contact rating 2 AMP @ 120VAC / 28VDC
- BAT +	Stand-by battery connections. Maximum charge rate 200ma.

Altronix is not responsible for any typographical errors. Product specifications are subject to change without notice.

