PW-1 Power Watch

12Vdc/24Vdc Battery Supervision Module

Description

The PW-1 adds battery supervision to almost any control panel or battery charging circuit that uses sealed or wet 12V or 24V lead acid battery(s). The PW-1 monitors the battery charging voltage. When the voltage is to low or too high the Green LED will turn off and the Trouble contacts will go to the off-normal condition to signal trouble. **The PW-1 also disconnects the battery from the circuit when battery voltage reaches its service limit.** The PW-1 can be set to monitor 12vdc or 24vdc lead acid batteries.

PW-1 Features:

 By simply plugging the PW-1 In Line with the Battery Connectors Adds the Following Features:

Form "C" Contacts that Indicate:

AC Power Fail

Low Battery (about 70% capacity remaining)

Battery Over Charged

- Greed LED ON Indicates Normal Power
- Battery Cut off Relay Removes Load from Battery When Depleted to Prevent Deep Discharge.
- Selectable 12VDC or 24VDC Lead Acid Battery(s)
- Precision voltage reference provides accurate trip points.
- Reverse Polarity Protected
- Quality Manufactured in the USA

Specification

Ambient Operating Temperature: -35°C to 54°C

Storage Temperature: -55°C to 85°C

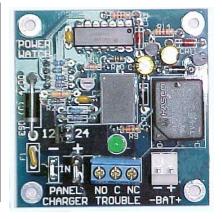
Battery Cutoff Voltage 12v/24v: 9.8VDC/19.6VDC **Battery Relay Contacts:** Load and Charge Max 15A

Power Trouble, Low Voltage, Low Battery, AC fail 12v/24v: 12.1VDC/24.2VDC

Power Trouble, High Voltage 12v/24v: 14.0VDC/28.0VDC)
Trouble Contacts form C: 2A/120vac / 1A 240vac resistive
3 Position Terminal block: "NO C NC Trouble"

Current Draw w/ Power On Both Relays Energized: 45mA

Overall Size: 2.42H" x 2.36"W x 1"D *Specifications are Subject to Change without notice.*



Instructions

- 1. Mount the PW-1 near the stand by battery(s) with stand offs, or on the battery with the preattached double-sided tape.
- 2. Be sure voltage jumper on the PW-1 is set match your 12V or 24V charging system.
- 3. Remove slip on connectors from battery(s) and push on PW-1 module. Observe polarity.
- 4. Attached provided battery cable on the PW-1 to the battery(s).
- 5. Connect trouble contacts to annunciate trouble. "NO" is Normally Open when power is normal. "C" is common. "NC" is Normally Closed when power is normal.

Authorized Dealer:



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