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SM40 Supervisory Module

Features

- Pre-Loaded Configuration File
- Temperature Compensation
- Serial Control (24 rectifiers)
- Battery Test
- Controls up to two Low Voltage Disconnects (LVD)
- Battery Current Limiting
- Interfaces to SiteSure Input/Output Modules
- Multi language options
- Set-up via keypad or DCTools configuration software
- Compliance with International Standards
- Local, PSTN or GSM communications options
- Datalogging

The SM40 microprocessor-based system supervisory modules provide the control and monitoring functions for the Powerware Access Power Solutions range of DC power systems.

The SM40 supervisory module is supplied factory-preconfigured, ready for immediate use. All system parameters are stored in transferable configuration files for convenient management of system set-up. The SM40 can also be re-configured on-site using the Windows compatible DCTools configuration software via the front panel RS232 communication port.

The SM40 supervisory module provides full control of system voltage, load current, status and alarms, which can be displayed and changed on the optional LCD display and keypad. The SM40 also offers modem control (PSTN and GSM), an audible alarm and battery test functionality.

Using the GSM modem option status and alarm messages can be sent to any SMS text message compatible mobile phone.

Technical Specifications

Brief Technical Specifications

Supply Voltage Range

        18-60V

Operating Range   -10°C to +70°C [+14°F to +158°F]

Input/Output Standard

    Analog Inputs: Current sensor/shunt (2), Bus Voltage (1), Temperature (2)

    Digital Inputs: Up to 6

    Relay Outputs: Up to 6 configurable, open-collectors. Relays fitted on system backplane or Interface PCB.

Input / Output Optional (with SiteSure modules)

    Analog inputs: 6

    Digital inputs: 18

    Digital outputs: 8

Communications   Interface: RS232

    Software: PowerManagerII remote monitoring software

    DCTools configuration software (free download from www.powerware.com/downloads)

    Modems (optional): Supports PSTN or GSM external modems

    SMS messaging: System Status Messages and Alarms Messages. Requires external GSM modem.

Display and keypad (optional)

    Display: Back-lit dot matrix LCD

    Keypad: Membrane type, 5 keys

Indicators   Power on

    Urgent Alarm

    Non-urgent alarm

Datalogging   100 record Event Log

In the interests of continual product improvement all specifications are subject to change without notice.

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