



Ocean State Signal Co.

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SIEMENS

SPECIFICATION SHEET

TITLE: EPAC M50 SERIES
NEMA TS-2 CONTROLLER UNIT

PART NO.:
EPAC M50

Description

The Siemens Model M50 Series NEMA compatible controller is an innovative, fully actuated controller unit with an extensive compliment of operational, programming, and diagnostic capabilities. The M50 series exceeds many industry standards and specifications with advanced functionality beyond the normal NEMA standards. The M50 features new capabilities and enhancements in hardware design and communications.

Central Processor Unit (CPU)

- Microware OS-9 Operating System runtime license
- Motorola 68360 25MHz Processor
- 8 MB DRAM
- 8 MB FLASH Memory
- 1 MB SRAM
- TOD Clock with automatic daylight savings time adjustment
- Power supply will power the SRAM during power failures

Keyboard and Display

- Removable light-emitting diode backlit LCD Display with 8 lines of 40 characters with adjustable contrast setting
- Emulation of terminal per joint NEMA/AASHTO/ITE Standard
- Key quantity and function per Joint NEMA/AASHTO/ITE Standard

Communications

- 10 Base-T Ethernet with front panel RJ-45 connector
- Unique MAC address assigned by the Institute of Electrical and Electronic Engineers (IEEE)
- 1200 bps Frequency Shift Keying (FSK) modem (optional)
- External Infrared Port

Features / Options

- Supports NEMA TS-1, TS-2 Type 1, and TS2-2 Type 2.
- Built in external 10 Base-T Ethernet port with configurable IP.
- 8MB of flash memory - eliminating the need for EPROM chips.
- Industry standard 3-U expansion slots.
- NEMA TS-2 Type 1 15-pin Input/Output serial connection to the BIU.
- NEMA TS-2 Type 2 for direct parallel connection to load switches and detectors.
- Removable hand held front panel with 8x40 character backlit LCD display.
- External Infrared port for communication with Laptops & PDAs.



Controller Housing

Seven (7) expansion slots with card guides for standard size Versa Modules and two (2) slots with card guides for standard Joint NEMA/AASHTO.ITE ATC modems (optional)

Polycarbonate construction (excluding back panel), rear mounting tabs and aluminum power supply mounting plate for electrical grounding

Carrying Handle

For more information, visit our website at www.oceanstatesignal.com