

SM65 Supervisory Module



Features

- Ethernet interface built-in
- SNMP agent
- Supports PSTN and GSM external modems
- SMS alarm messages (with GSM modem)
- Comprehensive system control functions
- Simplified front panel controls
- Pre-loaded customized configuration file
- Complies with international standards
- Setup via keypad or DCTools configuration software
- 19" or 23" rack mounting
- Sliding 19" mounting option
- 3-phase AC metering option
- Language options

The SM65 supervisory module is an advanced control and monitoring solution for the Eaton Access, Network and Large Power Solutions. It provides a full suite of advanced communications options, including built-in Ethernet interface, Web server, and SNMP agent.

Alarm notifications may be by SNMP traps, SMS, dial-out to PowerManagerII remote monitoring software, or relay contact closures.

Like all Eaton DC supervisory modules the SM65 is supplied pre-configured with either a default configuration file or with one factory customized for a particular application. This ensures fast and problem free installation. If on-site changes are needed then these can be easily made from the front panel or with a Windows PC using DCTools configuration software.

The front panel incorporates a high-resolution back-lit LCD display with easy to read characters.

All system values and alarms can be displayed and the keypad provides easy access to check or edit settings.

The SM65 can be installed in place of an SM50 and SM60 supervisory module in nearly all applications, providing new features that make it an advanced addition to the Eaton DC product range.

Typical Applications

- 24V and 48V power systems
- Wireless cell sites and switches
- Transmission terminals
- Local and central office switching

Options

- Slider magazine with cable support tray



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Technical Specifications

Brief Technical Specifications

Supply Voltage Range	19 to 60V DC
Operating Range	-10 to +60 °C [14 to 140 °F]
Input/Output Standard	Analog inputs: Current sensor (3), Bus voltage (1), Temperature: (2) Digital inputs: 10 internal (pre-defined), 6 external (user-defined) Relay outputs: 6 Voltage free, NO-C-NC, 0.5A @ 100VDC Screw terminal block, 1.5mm ² conductors
Communication Interfaces	Physical: Ethernet and RS232. Software: IP, http (Web) and SNMP, S3P. Management software: DCTools configuration / local management software. PowerManagerII remote management software. SNMP agent supports standard network management system software including HP OpenView Network Node Manager.
Display	Back-lit dot matrix LCD Adjustable viewing angle
Key Pad	5 keys
Languages	English: Standard Chinese: Chinese language software upgrade available on request. Other languages: Other language software upgrades by arrangement.
Indicators	Power on Urgent alarm Non-Urgent alarm
Dimensions H,W,D	1U: 44.5mm, 480mm, 150mm [1.75", 19" mounting, 6"] (depth excludes optional cable support tray)
Data Logging	10,000 record event log 10,000 record data log

Options

Mounting Options	Standard: 19" fixed brackets. Options: 19" slider magazine with cable support tray. 23" fixed brackets
Input/Output with SiteSure Modules	Analog inputs: 48 Digital inputs: 108 Digital outputs: 32
CellSure	Full support for communications and alarms from CellSure battery monitoring and fault diagnosis systems
Modem Communications	PSTN or GSM. Requires external modem.
AC Metering	3-phase voltage and frequency measurement and alarms. Requires external AC meter.

Certifications

All products comply with international standards. Contact your local Eaton DC representative for details on the specific product versions available with these safety and EMC approvals:

China	MII
North America	UL (Canada, USA), FCC Verification, IC
Europe	CE
Australia / New Zealand	C-tick

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

