

SC200 System Controller



The **Eaton® SC200 System Controller** is an advanced control and monitoring solution for the Eaton Enterprise, Access, Metro and Core 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.

An intelligent new “Smart Alarms” feature provides highly configurable control and alarms for automated site management. Smart Alarms enables improved site performance and reduced site energy consumption. Some examples include disconnection of non essential loads during peak AC grid loading for reduced energy costs, running outdoor cabinets in low noise mode at night, intelligent management of cooling, and customising site alarms to match network requirements.

The SC200 is supplied preconfigured 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 color LCD display with easy to read characters and easy to use menu system. All system values and alarms can be displayed and the keypad provides easy access to check or edit settings.

The SC200 works with separate system I/O boards for powerful and user-friendly interfacing. Easy and low cost I/O expansion is possible by adding additional I/O boards.

Typical Applications:

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

Options:

- External GSM or PSTN modem
- Additional I/O boards for system expansion
- SiteSure-3G modules for site management

Features

- Ethernet interface built-in
- SNMP agent
- Battery mid-point monitoring
- Eaton Fuel Saver
- SMS alarm messages (with GSM modem)
- Comprehensive system control functions
- Color display with user-friendly menus
- Complies with international standards
- Setup via web, keypad or DCTools configuration software
- Language options
- Optional extra I/O boards or SiteSure-3G modules for expansion
- Smart Alarms
- Modbus
- Battery time remaining during discharge



Powering Business Worldwide

Technical Specification

Operation

Supply Voltage	18 to 60Vdc
Range	
Operating Range	Standard: -10 to +50°C [14 to 122 °F] Extended: -25 to 70°C [-13 to 158 °F]

Input/Output Standard

Analog inputs	Current sensor (3), Bus voltage (1), Temperature (2)
Digital inputs	4 Internal (pre-defined), 6 external (user-defined)
LVD contactor	2 with one IOBGP module
outputs	Up to 16 with additional IOBGP modules
Relay outputs	6 Voltage free, NO-C-NC, 0.1A @ 60VDC Screwless terminal block, 0.5mm ² - 2.0mm ² conductors

Communications Interfaces

Physical	Ethernet, USB and RS232
Software	IP, http, https (secure web), S3P, modbus
Management software	DCTools configuration / local management software. PowerManagerII remote management software. SNMP version V1, V2c or V3. Supports standard Network Management System software including HP OpenView Network Node Manager.

User Interface

Display	Back-lit color dot matrix LCD 160 x 128 pixel Adjustable viewing angle
Keypad	6 keys
Language	English: Standard
Options	Spanish, German and Chinese available on request. Other language software upgrades by arrangement.
Indicators	Power on, Critical/Major alarm, Minor alarm

Mechanical

Dimensions	SC200: 133.5mm (3U), 44.5mm, 70mm
H,W,D	IOBGP: 106mm, 175mm, 18mm
Mounting	SC200: rectifier slot or flush panel mount Orientation: vertical or horizontal IOBGP: panel mount

Datalogging

Event Log	10,000 records
Data Log	10,000 records

Options

Input/Output	With IOBSS module (SiteSure-3G): Analog inputs: 48 Digital inputs: 108 Digital outputs: 32
Modem communications	PSTN or GSM. Requires external modem.

Certifications

China	MII
North America	UL, 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.

