CEM SYSTEMS
A Tyco International Company

AC2000 Lite System Controller

OVERVIEW

The AC2000 Lite System Controller is the central component of the AC2000 Lite security management system that can support up to 128 doors (256 readers IN/OUT). An intelligent network device, the AC2000 Lite System Controller provides 100 Base-T Ethernet connectivity to a range of CEM Ethernet readers and controllers including the S610e reader, EtherProx reader and the DCM 300 intelligent two-door controller.

The number of readers and workstations that can be added to the AC2000 Lite System Controller is controlled by license codes. As standard, the system controller provides support for up to 64 readers and one workstation. Should client requirements exceed this standard, the controller can be upgraded to support 128 doors and up to 5 workstations. The upgrade can be performed on site within minutes by entering a valid license code resulting in minimal disruption to the system operation.

The AC2000 Lite System Controller is designed to be extremely easy to install. A simple to use web-based configuration tool is provided to perform the basic system configuration and ongoing maintenance. The system database can be fully administered by the AC2000 Lite software running on a network connected workstation.

AC2000 Lite System Controller

- Maintains the database for the AC2000 Lite System

- Intelligent embedded network device for access control and alarm monitoring with the CEM AC2000 Lite system

- On-board 100 Mbps Ethernet

- Supports up to 128 doors (256 readers IN/OUT)

- Supports up to 5 operator workstations

- Full mains battery backup available in case of power failure

- 8GB compact flash for database

- Storage capacity for up to 10,000 card records

- TCP/IP based configuration/ diagnostics available via web browser

- Database is retained even in the event of battery backup failure

- Reader and workstation quantities controlled by license codes

PRODUCT HIGHLIGHTS

Reader Network

The AC2000 Lite System Controller resides on the network and connects to all other readers on the network via TCP/IP. The System Controller can support up to 128 doors (256 readers IN/OUT).

Easy to Install

The System Controller is designed to be extremely easy to install. The installer simply enters the units pre-configured IP address on a web browser to access the configuration menus. Once the basic configuration parameters are set, the system can be fully maintained by the AC2000 Lite software running on a network connected workstation.

System Expansion

The AC2000 Lite System Controller has a base configuration that supports 64 doors and a single workstation. Upgrade codes can be used to expand the system to support up to 128 doors and 5 workstations.

If a site expands beyond the capabilities of AC2000 Lite, an upgrade path exists to convert it to an AC2000 SE system, which is practically unlimited.

On-board Database

The System Controller manages the system database for up to 10,000 cardholder records. The records can include cardholder details, Photo ID, access level and time zone details.

Power Failure Capability

The System Controller comes with its own internal mains power supply. A battery charging output is provided along with sufficient space to mount a battery inside the enclosure, giving a period of normal usage in the event of mains power failure, thus keeping potential downtime to a minimum.

TECHNICAL SPECIFICATIONS

PHYSICAL

Size	460 x 250 x 90mm (18" x 10" x 3.5")
Weight	5.00kg
Housing	Wall mount 1.2mm steel enclosure
Colour	Grey
Power	
- Voltage	220-230 VAC 50/60Hz
- Current Consumption	450mA
Backup Battery	Integral charging circuit provided with enclosure and space battery (Battery not supplied)
Environmental	
- Temperature	0° to 50°C (32° to 122°F)
- Humidity	95% non condensing
LED Indicators	Power, Ethernet Link & Database Activity

FUNCTIONALITY

Reader capacity	Up to 128 readers
Configuration	Custom-made Web Browser GUI available for displaying controller status and configuration as well as system maintenance
Database memory	8GB Flash Disk
Cardholders	Storage of up to 10,000 cardholder details including photograph and access permissions.
Transactions	Up to 1,000,000 transactions

COMMUNICATION INTERFACE

To Readers/ Workstations	100 Base-T TCP/IP using CAT5 Unshielded twisted pair cable
Connection	RJ45

PRODUCT CODES

SYS/400/064 -	AC2000 Lite System Controller (64 Door Licence)
SYS/400/128 -	AC2000 Lite System Controller (128 Door Licence)
SYS/400/001 -	AC2000 Lite System Controller Upgrade licence (from 64 to 128 Door Licence)
SYS/400/000 -	AC2000 Lite Workstation Licence (AC2000 Lite can support up to 5 Workstations)

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