CEM SYSTEMS

From Tyco Security Products

S9032 Controller

Features that make a difference:

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

- Supports up to 32 doors (64 readers IN/OUT)

- Easy software upgrade to S9064 Controller supporting 64 doors

- Battery backup available in case of power failure

- 64 MB compact flash for database with expansion available

- Storage capacity for up to 250,000 card records

- TCP/IP based diagnostics/monitoring available via web browser or Telnet

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

The S9032 Controller is an intelligent networked device, for door entry/exit control and alarm monitoring. Part of the new generation of S9000 Controllers, the S9032 is a central component of the fully expandable AC2000 integrated security management system.

The S9032 Controller provides full 10/100 Base-T Ethernet connectivity, allowing users to remotely perform database administration and monitor alarms. The administrator can use both Telnet and web-based user interfaces to remotely monitor the controller status at any time. In the event of communications failure with the host server, card transactions and alarms are stored in memory, and will be uploaded to the host when communications are restored.

The S9032 Controller supports two multidrop networks of card readers with up to 16 master readers off each port (32 total). The readers communicate with the controller using RS485 serial communications. Each master reader can additionally support a push-button, or Exit reader for egress.

The S9032 can be easily upgraded to a S9064 Controller offering two additional multidrop networks of card readers from the same controller. This provides scope for the controller to support up to 64 doors (128 readers IN/OUT). The upgrade can be performed on site within minutes by entering a valid license code resulting in minimal disruption to the system operation.

Onboard Database
The S9032 Controller supports its own database of up to 250,000 card records, depending on the record format and the memory fitted. The records include card numbers, access level and time zone details.

Rack Mounted Enclosure
The S9032 Controller comes mounted in a sturdy 19-inch 1U rack-mounted enclosure providing easy integration into existing server locations. The S9032 Controller can also be wall mounted with adjustment of the supplied brackets.

Power Failure Capability
The S9032 Controller has its own external power supply and internal UPS, giving a minimum of three hours normal usage in the event of mains power failure, thus keeping potential downtime to a minimum.

Reader Networks
The reader networks connect to two RS485 serial ports on the S9032 Controller. Each port is distributed over four individual RJ45 cable connections providing ease of installation and reducing the time required to identify a faulty reader.

System Expansion
The S9032 Controller forms part of the fully scaleable AC2000 integrated access control system. It can be used to monitor access control on a small system with only a few doors, or it can form part of a large-scale access control system. The reader capacity of the S9032 can be readily doubled by upgrading to a S9064 Controller.

Specifications

Physical
Size . . . . 42 x 483 x 233mm (1U x 19˝ x 9.2´)
Weight 2.6Kg
Housing . . . . 19˝ rackmounted steel enclosure
Colour . . . . Beige

Power
Voltage . . . . Mains power adapter 100-240Vac (supplied).
Output voltage 12Vdc @ 2.0A
Current Consumption 300mA
  Backup Battery . . . . Internal Lithium Ion battery giving a minimum
of three hours backup time Power fail
reported to system internally.

Environmental
Temperature . . . . -10º to 50ºC (14º to 122ºF)
Humidity . . . . 95% non condensing

LED Indicators . . . . Online/Offline, Ethernet connection,
Activity/Status, Power and Heartbeat

Functionality
Inputs . . . . Dedicated Tamper Input
Dedicated Power Fail Input

Reader capacity . . . . Two Optically isolated RS485
multidropped reader networks, each
supporting up to 16 doors
(32 readers IN/OUT per port)
Memory . . . . 10MB of RAM 28kB Boot Loader ROM
32MB Compact Flash Disk

Database
Cardholders . . . . Storage of up to 250,000 cards per
controller, with four access levels and time
zone definition pairs per cardholder record.
Transactions . . . . Up to 250,000 transactions in offline
operation, depending on amount of
cardholders stored.

Configuration . . . . Custom-made Web Browser
GUI available for displaying controller
status and configuration as well as alarm
and transaction displaying. A Telnet client
can also be used for remote diagnostics.

Communication Interface
To Card Reader . . . . RS485 multidrop cable runs using copper wire
with maximum length of 1.2km without repeater
Connection RJ45
To System Host . . . . Ethernet 10/100 BaseT
Connection RJ45

Requirements
• AC2000 SE

Ordering Information

Product Code	Description
DAC/390/032	S9032 Controller

Related Products

AC2000 SE

www.cemsys.com