

S9020 Controller



FEATURES

- Intelligent embedded network device for access control and alarm monitoring with the CEM AC2000 system
- Supports two multidrop networks of card readers (32 total)
- 4 onboard relays to activate auxiliary devices
- 32 MB compact flash for database with expansion available
- Storage capacity for up to 150,000 card records
- Full TCP/IP based diagnostics/monitoring available via web browser or Telnet
- Cabinet Tamper, AC Power Fail, Low battery (When fitted)

OVERVIEW

The S9020 Controller is an intelligent networked device, for door entry/exit control and alarm monitoring. Part of the family of S90X0 Controllers, the S9020 Controller is a central component of the fully expandable AC2000 integrated security management system.

The S9020 Controller provides full 10 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 at any time. Each card reader is loaded with its own database from the S9020 providing an extra level of resilience for off-line use.

The S9020 Controller supports two multidrop networks of card readers with up to 16 readers off each port (32 total).

PRODUCT HIGHLIGHTS

Onboard Database

The S9020 Controller supports its own database of up to 150,000 card records, depending on the record format and the memory fitted. The records can include card numbers, cardholder name, access level and time zone details.

The database allows the controller to validate card requests from readers. 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.

RS485 Reader Networks

The reader networks connect to two serial ports on the S9020 Controller using standard copper paired cable. The readers communicate with the S9020 Controller using RS485 serial communications.



System Expansion

The S9020 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.

TECHNICAL SPECIFICATIONS

Enclosure Dimensions (H x W x D)	400 x 400 x 200mm (16 x 16 x 8in)
LED Indicators	Indicators for network, processor and power supply status
Power Supply	100-240V AC 2A 50/60Hz
Database	Compact Flash Disk, 32MB standard, with expansion available Storage of approximately 150,000 cards per controller, with four access levels and time zone definition pairs per cardholder record
Configuration/Monitoring	Custom-made Web Browser GUI available for alarm and transaction monitoring. Telnet server for remote diagnostics
Other	Reboot and full initialisation time is 3 minutes approx with 150,000 cards

Communication Interfaces

To Card Readers	RS485 multidrop cable runs using copper wire with maximum length of 1.2km
To System Host	Embedded 10 Base-T Ethernet running TCP/IP RS232/422 port for diagnostic purposes

Product Code

DAC/090/001	S9020 controller
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