

Vindicator® V3 ACS Access Control System

Autonomous Access Controller and Credential Database Server

The Vindicator® V3 ACS controller is a self contained access control system that does not require a PC or Windows software to operate. The V3 ACS solution consists of any number of V3 ACS controllers, readers, door hardware and other I/O. Each V3 ACS controller houses the necessary credential database to administer complex access routines for predefined regions of a facility by interfacing with its associated credential readers and access control hardware.

The V3 ACS controller will also route security related events to the V3 IDS head end controller for processing and display to the operator. With on-board cryptography and I/O options, the V3 ACS controller offers a simple cost effective solution with little maintenance - no Windows updates to perform and no worries about virus infections or hard drive crashes.



FEATURES

Scalable - As the on-line user population increases, data clustering between two or more V3 ACS servers provides additional on-line information storage, rather than requiring additional servers or using off-line PC storage. Each V3 server can house more than 30,000 credentials.

Advanced Access Control Features - Administrator-defined rules processing provides easy maintenance and increased control over user groups. Flexible visitor processing with escort specification can tie specific visitors to particular escorts in selected locations. The system supports configurations for card, card + PIN, PIN-only, and card + PIN + biometric access for flexible user identification.

Enhanced Enterprise Capabilities - When coupled with the powerful V3 IDS server, the enterprise potential of the system is enhanced. The watchman's tour function can be used to ensure proper, safe and regular rounds by staff personnel, ensuring credentials are presented to a set of readers in a particular order within a specified amount of time. The global anti-passback feature controls user access based on individual authorization.

Powerful Administration and Maintenance Interface - A single V3 ACS server can be used as a remote configuration interface for other V3 ACS servers in the network and to interface downstream Vindicator transponders with intrusion sensors and devices. This interface automatically replicates local changes throughout the network and saves time and effort. The V3 ACS server also speeds installation and enhances troubleshooting by providing a powerful maintenance console for performing device and network diagnostics.

Vindicator® V3 ACS

ACCESS CONTROLLER

SPECIFICATIONS

Access Control Capacity (per device)

- Reader Capacity - 16
On-Line Cards >30,000

Communication Ports

- Serial: 2 RS485, 2 RS232
- LAN: 2, 100BaseT with TCP/IP
- Fiber Optic: 2 100FX optical (SM or MM)

Input / Output

- 8 Multi-State Sensor Inputs
- 4 Relay Outputs
- 1 MR50 Bus

Mechanical Specifications

- Dimensions: 10.5"L x 7.5"W x 1"H
- Weight: 2 lbs
- Mounted on sheet-metal base plate, NEMA enclosed product optional
- EMI/RFI gasketed
- Field Wire Connectors: Removable plug type screw jaw clamp terminal for 18-24 AWG or stranded wire

Environmental Requirements

- Operating Temperature: -30°C to 70°C
- Storage Temperature: -40°C to +85°C
- Humidity: 5%-95% non-condensing

Electrical Characteristics

- Operating Voltage: 10 to 24 VDC
- Power: at 12 V, 600 mA or configuration dependent
- Transient and surge protection: UL 1076 compliant
- Input Sensitivity: 14 multi-state inputs supporting up to 5 states
- Resistive Load: 8 multi-state supervised inputs user-adjustable end-of-line resistor values (2.2 ohm typical), 6 auxiliary multi-state inputs (4.7 ohm typical)

Compatibility/Integration

- Honeywell Pro-Watch 4.1
- Honeywell MAXPRO VMS
- Other CCTV: Many cameras, switchers
- Sensors: Many interior or exterior sensor systems

Certifications

- FIPS 201, UL-294

Enterprise Connectivity

- Open style architecture via Internet Protocol Networking (CAT5E, SM or MM fiber), RS232, RS485

Integrated Database

- Relational, embedded, fast and reliable

Software Configuration

- Via Ethernet

Encryption

- AES (NIST approved)

ORDERING

ACCESS CONTROL

548-54300-01	AE V3 ACS, CAT 5, AES
548-54300-02	AE V3 ACS, MMFO AES
548-54300-03	AE V3 ACS SMFO, AES
548-64300-01	SE V3 ACS, CAT 5, AES
548-64300-02	SE V3 ACS, MMFO, AES
548-64300-03	SE V3 ACS, SMFO, AES

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