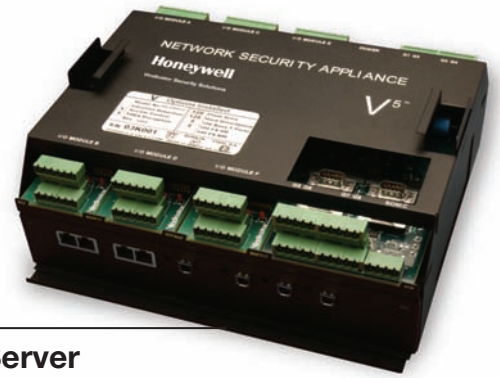


Vindicator® V⁵ Access Control System (ACS)



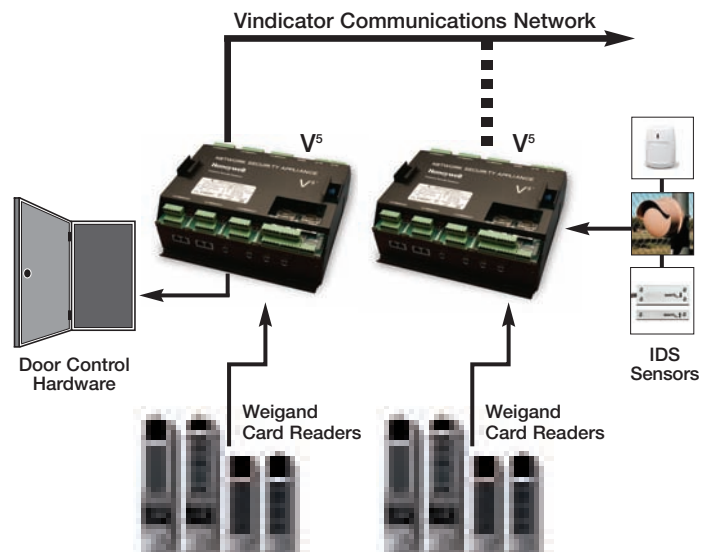
Autonomous Access Controller and Credential Database Server

Built on the V⁵ Network Security Appliance™, the Vindicator® ACS solution is a self-contained access control system that does not require a PC or Windows software to operate. The V⁵ ACS solution consists of any number of V⁵ ACS servers, readers, and door hardware and other I/O. Each V⁵ ACS server 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.

Enterprise Clustering and Peer-to-Peer Capability

Each V⁵ ACS server can act as a database server to other V⁵ ACS servers for centralized access control management using database replication and management technology. This increases system capability by ensuring that the database servers are constantly in sync so that changes to

one V⁵ replicate on other V⁵ servers. All communication among V⁵ ACS servers and the V⁵ IDS server is encrypted and can be made redundant for added security on a corporate LAN or security network.



FEATURES

Scalable - As the on-line user population increases, data clustering between two or more V⁵ ACS servers provides additional on-line information storage, rather than requiring additional servers or using off-line PC storage. Each V⁵ server can house more than 50,000 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 V⁵ 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 V⁵ ACS server can be used as a remote configuration interface for other V⁵ 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 V⁵ ACS server also speeds installation and enhances troubleshooting by providing a powerful maintenance console for performing device and network diagnostics.

Vindicator® V⁵ Access Control System (ACS)

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SPECIFICATIONS

Access Control System Capacity (per server)

- Multi-drop reader buses: 8
- On-line cards: >30,000 (expandable)
- I/O module: six supporting combinations of:
 - Sensor module: 8 inputs
 - Relay module: 4 relays
 - Portal module: 1 reader, 3-4 supervised multi-state inputs, 1 door strike

Communication Ports

- Serial: 8 RS485, 4 RS232
- LAN: 4, 100BaseT with TCP/IP
- Fiber optic: 1-4 optional 100FX optical (SM or MM)

Mechanical Specifications

- Dimensions: 11.1"L x 10.5"W x 2.9"H
- Weight: 5 lbs
- Mounted on sheet metal base plate, NEMA enclosed product optional
- EMI/RFI gasket
- Field wire connectors: Removable plug type screw jaw clamp terminal for 18 to 24 AWG stranded wire

Environmental Requirements

- Operating temperature: 0°C to +50°C
- Storage temperature: -25°C to +65°C
- Humidity: 8%-90% non-condensing
- Vibration operating: 8G peak swept-sine with solid-state storage, 1G peak swept-sine with HDD option
- Shock operation: 175G for 2 ms half-sine

Electrical Characteristics

- Operating voltage: 9 to 18 VAC
- Power: configuration dependent
- Transient and surge protection: 36 W max
- Ports 1.2 j 80 us 2400 V 12 A peak
- Input sensitivity: 0.0 to 5.0 V with 10 bit resolution and 1% accuracy
- Inputs configured for resistive load measurement source of up to 10 mA at 5 VDC into 1k ohms
- Sensor self testing: Automatic, programmed, random, or regular at average intervals (2 minutes to 22 days). Failed tests announced.

Enterprise Connectivity

- Open style architecture (LAN/WAN, Ethernet, SM and MM fiber, RS232, RS485, FSK, TCP/IP)

Integrated Database

- Relational, embedded, fast and reliable ODBC

Software Configuration

- Via Ethernet or RS485

Encryption

- UHS, DES, TDEA (DCID and NIST approved)

Certifications and Approvals

- Certified for nuclear facilities without waiver (pending)
- FIPS 46-3, DCID 6/9, SIA
- UL-1076/2050/294/864, FCC Part 15, Subpart J, Class A
- FIPS 201-2 Compliant

ORDERING

V5 IDS

548-54000-01	AE V5 IDS, AES Encryption, Wire
548-54000-02	AE V5 IDS, AES Encryption, MMFO
548-54000-03	AE V5 IDS, AES Encryption, SMFO
548-64000-01	SE V5 IDS, AES Encryption, Wire
548-64000-02	SE V5 IDS, AES Encryption, MMFO
548-64000-03	SE V5 IDS, AES Encryption, SMFO

V5 ACS

548-54100-01	AE V5 ACS, AES Encryption, Wire
548-54100-02	AE V5 ACS, AES Encryption, MMFO
548-54100-03	AE V5 ACS, AES Encryption, SMFO
548-64100-01	SE V5 ACS, AES Encryption, Wire
548-64100-02	SE V5 ACS, AES Encryption, MMFO
548-64100-03	SE V5 ACS, AES Encryption, SMFO

536-33002-01	Sensor Input Module, 8 ports
536-33003-01	Relay Output Module, 4 ports
536-33004-01	Portal Control Module

Fiber & Memory Options for V⁵

Call for details
532-33302-01
532-33302-02

Memory Expansion Options
Fiber Optic Multi-Mode Port
Fiber Optic Single-Mode Port

Spares

292-33464-00
908-33461-00
536-33001-01

12 VDC Wall Plug Power Supply
Installation, Operation and Maintenance Manual
V⁵ Main CPU Board, CPU-5 PCB Assembly with 4 RJ-45 Ports

536-33005-01
544-33472-01

Communication I/O Module
Serial Communication H/A, serial communications cable from V⁵ to display device

532-33279-00

System Server Terminal, with keyboard and mouse, no monitor, serial cable, PC SmartPAC

532-33279-01

System Server Terminal, with keyboard and mouse, 15" CRT monitor, serial cable, PC SmartPAC

532-33279-02

System Server Terminal, with keyboard and mouse, 17" CRT, serial cable, PC SmartPAC

532-33279-03

System Server Terminal, with keyboard and mouse, 15" LCD, serial cable, PC SmartPAC

532-33279-04

System Server Terminal, with keyboard and mouse, 17" LCD, serial cable, PC SmartPAC

For more information: www.honeywellvindicator.com

Honeywell Security

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February 2007
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