AC-425

Multi-Advanced Scalable Networked Access Controller

THE STATE-OF-THE-ART DUAL/QUAD DOOR AC-425 NETWORKED ACCESS CONTROLLER IS THE BACKBONE OF MEDIUM SCALE SECURITY SYSTEMS HANDLING UP TO 30,000 USERS AND 8184 DOORS. DRIVEN BY ROSSLARE'S POWERFUL, FLEXIBLE AND EASY TO USE SOFTWARE, THE SYSTEM PROVIDES AN IDEAL, MODULAR AND EXPANDABLE SOLUTION FOR COMMERCIAL AND INSTITUTIONAL NEEDS. IT PROVIDES SEAMLESS INTEGRATION WITH ROSSLARE'S RANGE OF RFID PROXIMITY, PIN, PIN & PROX, SMARTCARD AND BIOMETRIC READERS WITH ROSSLARE'S SELECTION OF RFID CREDENTIALS.

GENERAL DESCRIPTION

AC-425 is suitable for applications with up to 30,000 users across a modular 8184 doors, allowing maximum flexibility for securing a growing enterprise.

Each AC-425 Access Control Unit (ACU) supports four readers (In/Out) of various formats including standard Wiegand 26-bit. Installations can also have one reader per door.

The AC-425 is ready for installation with a mountable & lockable metal enclosure integrated with transformer, power supply/charger, sounder and control board. Using onboard RS-232/485, Ethernet TCP/IP, multiple local or remote site door sub-networks can connect to the AxTraxNG Client/Server PC software running on Microsoft® Windows® 98/ME & NT/2000/XP/7 operating systems.

MAIN FEATURES

- 20,000, FIFO, history event log, when offline
- With MD-IO84 IO expansion, additional 8 inputs, 4 outputs
- With MD-D04 4-Door expansion, 4 readers with 4 inputs, 4 outputs
- Onboard TCP/IP networking (AC-425IP version)
- Real-time clock keeps time for up to 2 weeks without power. No batteries to replace

ROSSLARE
SECURITY PRODUCTS

SPECIFICATIONS

ELECTRICAL SPECIFICATIONS

▪	ACU Power Supply Voltage	12 VDC, regulated from built-in PS-33 regulated power supply / Charger module
▪	ACU Power Supply Max Current	Panel output: 2 A input current limitation (PS-33) Lock output: 3 A
▪	Relays	4 fully programmable 5 A, N.O. and N.C. relay outputs 4 expandable outputs with optional MD-IO84 or MD-D04
▪	Battery Charger	12 V sealed lead acid (SLA) up to 7 Ah (PS-33)

OPERATIONAL SPECIFICATIONS

▪	Capacity	30,000 Users
▪	History Event Log Size	20,000 Events
▪	Inputs	4 Supervised, dual-resistor, 2 state end-of-line inputs, Hi-impedance, active low 5 VDC 8 supervised expandable inputs with optional MD-IO84 or 4 supervised expandable inputs with optional MD-D04
▪	Readers	4 Wiegand 26/32/34/37/40 bit / C&D reader ports with tamper and LED control, 4,6 and 8 bit keypad transmission support
▪	Connectivity	RS-232/485, Dial-up (using MD-N33), onboard TCP/IP (AC-425IP version)
▪	Networking	32 Units/subnet, 1023 subnets (8184 doors max. with MD-D04) using AxTraxNG software
▪	Audio/Visual	Built-in sounder (Alarm, Chime, Bell), 11 on-board and 3 P.S. LEDs
▪	Time Zones and groups	32 multiple segment time zones, 64 holidays, 30,000 access groups
▪	Special Features	Interlock, first person delay, auto relock, scheduled outputs operation, 4 programmable site codes, Extended unlocked time, fully interconnectedness
▪	Security Modes	Normal and Secure
▪	Firmware Upgrade	Local / Remote, Through AxTraxNG PC software

ENVIRONMENTAL SPECIFICATIONS

▪	Operating Temperature	32°F to 120°F (0°C to 49°C)
▪	Operating Humidity	0 to 85% (non-condensing)

MECHANICAL SPECIFICATIONS

▪	ACU Dimensions	13.2 x 10.4 in. (334 x 264 mm)
▪	Weight	13.4 oz (380 g)

SYSTEM COMPONENTS	AC-425 is compatible with a range of Rosslare accessories, including a diverse selection of readers and accessories; two extension boards complement the AC-425: MD-IO84 and MD-D04.
PRODUCT WARRANTY	2-year Limited Product Warranty

ABOUT ROSSLARE SECURITY

Rosslare Security Products, a division of Rosslare Enterprises Ltd., has been manufacturing high-quality security products since 1980. The company's three main lines – Access Control, Intrusion Detection and Guard Patrol – together with a growing product range have transformed Rosslare Security into a major worldwide force in security. Rosslare holds itself to the highest standards of customer service and manufacturing (ISO 9001:2008, ISO 14001:2004, ISO 13485:2003). The company complies with the EU Directive 2002/95/EC on Restriction of Hazardous Substances (RoHS).

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