AC-225

Advanced Scalable Networked Access Controller

THE STATE-OF-THE-ART SINGLE/DUAL DOOR AC-225 NETWORKED ACCESS CONTROLLER IS THE BACKBONE OF MEDIUM SCALE SECURITY SYSTEMS HANDLING UP TO **30,000** USERS AND **4092** 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-225 is suitable for applications with up to 30,000 users across a modular 4092 doors, allowing maximum flexibility for securing a growing enterprise.

Each AC-225 access control unit (ACU) supports two readers (In/Out) of various formats including standard Wiegand 26-Bit. Installations can also have one reader per door.

The AC-225 is ready for installation with a mountable and lockable metal enclosure integrated with a transformer, power supply/charger, sounder, and control board.

MAIN FEATURES

- Up to 30,000 users with access rights for every panel, across optional 4092 modular doors in a system
- 20,000, FIFO, history event log, when offline
- Full intelligent logic interconnection of inputs, outputs, readers, and more
- Onboard TCP/IP networking (AC-225IP version)
- Panel supports both 1-door (In/Out) and 2-door (In/Out, In/In and Out/Out) configurations

- Real-time clock keeps time for up to 2 weeks without power. No batteries to replace.
- Cable cut tamper detection function for readers, and cover tamper detection for the enclosure
- Pre-installed enclosure components:
  - Transformer, dual power supply/charger unit for panel and lock devices
  - Sounder unit
  - Space for a 7 AH SLA backup battery
  - Tamper switch

AxTraxNG™ CLIENT/SERVER SOFTWARE

- Based on SQL Express 2005 database
- Each ACU subnet, consisting of up to 32 ACUs, can be connected to a PC running the AxTraxNG™ server PC software
- Enables management of user data, photo with custom fields, access rights, alarms, strike times, and door modes, from a central location
- Produces reports from acquired data, such as entry and exit times, and by alarm type with filters for user(s), location, and time
- Available in a large selection of languages

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-D02
▪ Battery Charger	12 V sealed lead acid (SLA) up to 7 Ah (PS-33)
▪ Maximum Current for Readers	325 mA at 12 VDC

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-D02
▪ Readers	Two Wiegand 26/32/34/37/40-Bit / C&D reader ports
▪ Connectivity	RS-485/232, dial-up (using MD-N33), onboard TCP/IP (AC-225IP version)
▪ Networking	32 units/subnet, 1023 subnets (4092 doors max. with MD-D02) 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

PHYSICAL SPECIFICATIONS

▪ ACU Board Dimensions	168 x 121 mm (6.61 x 4.76 in.)
▪ Enclosure	Metal, locked 326 x 263 x 97 mm (12.8 x 10.4 x 3.82 in.)
▪ Weight	3.95 kg (8.7 lbs)

ENVIRONMENTAL SPECIFICATIONS

▪ Operating Environment	Indoor installation only
▪ Operating Temperature	0°C to 49°C (32°F to 120°F)
▪ Operating Humidity	0 to 85% (non-condensing)
▪ RFI Protection	> 20 V/m up to 1000 MHz
SYSTEM COMPONENTS	AC-225 is compatible with a range of Rosslare accessories, including a diverse selection of readers and accessories
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).

www.rosslaresecurity.com

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