

AC-215

Advanced Scalable Networked Access Controller

The state-of-the-art AC-215 networked access controller is the backbone of medium scale security systems handling up to 5,000 users and 512 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, Prox+PIN, Smartcard, and biometric readers with Rosslare's selection of RFID credentials.

General Description

AC-215 is suitable for applications with up to 5000 users across a modular 512 doors, allowing maximum flexibility for securing a growing enterprise.

Each AC-215 Access Control Unit (ACU) supports two standard Wiegand 26-Bit or Clock & Data readers (In/Out). Installations can also have one reader per door.

It is ready for installation with a mountable & lockable metal enclosure integrated with transformer, power supply/charger, sounder and the control board.

Using RS-232, Ethernet TCP/IP, and PSTN modems, multiple local or remote site door sub-networks can connect to the AS-215 Client/Server PC software running as a server on Microsoft® Windows® 98/Me & NT/2000/XP operating systems.



Main Features

- Up to 5000 users with access rights for every panel, across 512 modular doors in a system.
- Pre-installed enclosure components:
 - AC-AC power transformer, power supply/charger unit
 - Sounder unit
 - Space for a 7AH SLA backup battery
 - Tamper switch
- Panel supports both 1 door (In/Out) and 2 door (In/Out, In/In and Out/Out) configurations.
- Supports PIN-only, PIN + PROX, or PROX-only readers.
- Rugged, hinged-metal enclosure that is lockable and vandal-resistant.
- Internal charger for external battery backup.
- 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.
- 5000 FIFO history event log, when offline.

AS-215 CLIENT/SERVER SOFTWARE HIGHLIGHTS

- Each ACU subnet, consisting of 1 or more ACUs, may be connected to a PC running the AS-215 server PC software.
- Enables management of user data, photo with custom fields, access rights, alarms, strike times, and door modes, from a central location.
- Used for continuous event monitoring, or periodically for batch downloading of event data, administration and maintenance.
- Other PCs on the network may connect to the server by running the AS-215 PC software in *client* mode.
- Produces reports from acquired data, such as entry and exit times, and by alarm type with filters for user(s), location, and time.
- The AS-215 software is available in a large selection of languages.
- 8 LED indicators ideal for system inspection of outputs & communication.



Product Specifications

ELECTRICAL CHARACTERISTICS	
• ACU Power Supply Voltage:	12VDC, regulated from OEM power supply PS-14
• ACU Power Supply Max Current:	500 mA input current limited - from integrated power supply PS-14
• ACU Input Current:	Standby: 125 mA at 12VDC Maximum: 325 mA at 12VDC
• Maximum Current for Readers:	150 mA at 12VDC for each reader (any type)
• Maximum Current for Lock Strike:	ACU relay supports up to 30V 5A
ELECTRICAL DATA POWER PCB <PS-14>	
• Requires a Class 2 Transformer:	Transformer input 220/110 VAC @ 50/60 Hz to 16 Volt AC output
• Unregulated AC Input Power:	16 VAC (from transformer) 2.5A max input power
• Regulated DC Power Output:	12 VDC with 500 mA current limit
• Backup Rechargeable Power:	YES, supports 12V lead acid (SLA-Type) rechargeable cell with on-board charger
• Auxiliary Power Output:	PS-14 has 12V/1.8A for door strike and/or auxiliary output
• Low Battery Status Monitoring:	Shown outside enclosure by LED
• AC Power Loss Monitoring:	By open collector output and shown outside enclosure by LED
PHYSICAL CHARACTERISTICS	
• ACU Board Dimensions:	168mm L x 121mm W x 30mm D (6.61 in. x 4.76 in. x 1.18 in.)
• Enclosure Dimensions:	326mm L x 263mm W x 97mm D (12.8 in. x 10.4 in. x 3.82 in.)
• Weight:	PCB only - 190g (0.42 lbs), PCB & Enclosure - 2.4 kg (5.3 lbs)
• Installation:	Indoor installation only
COMMUNICATIONS DATA	
• ACU Communications Method:	RS-232 / RS-485 – half duplex
• ACU Communications Data Rate:	Programmable – up to 57,600 Bits per second
• Dial-Up Remote Modem Support:	YES, supports remote modem subnet (OEM MD-N33)
• TCP/IP Remote LAN Support:	YES, supports remote TCP/IP subnet (OEM MD-N32)
• Remote Firmware Upgrade Support:	YES, ACU firmware may be changed by PC: 64 K with Bootstrap loader and FLASH memory architecture
• RS-485 Network Bus Distance (Maximum):	1200 m (3937 ft.) shielded twisted-pair cable

System Components

AC-215 is compatible with a range of Rosslare accessories, including a diverse selection of readers.



Additional Information

The AC-215 is covered by Rosslare's 2-year Limited Product Warranty. For sales information or product documentation, please visit our website: <http://www.rosslaresecurity.com>.



CFR47 Part 15b PENDING



UL-294 PENDING