AC-225x-B

Expandable 2-Reader Networked Access Control Panel for AxTraxNG™ Server Software

MD-D02B **MD-IO84B** **AC-225IP-DIN** **AC-225IP-B**

The **AC-225IP-B** Intelligent 2-Reader Expandable Networked Access Controller is powered by Rosslare's AxTraxNG™ Server for Microsoft Windows to deliver full-featured access control and automation capability via a 10/100 ethernet port. The AC-225IP-B (TCP/IP) and AC-225-B (RS-485) control panels have one expansion slot for mounting one MD unit. The expansion modules MD-D02B (2 readers, 4 outputs, 4 inputs), and MD-IO84B (8 EOL supervised inputs and 4 outputs) are easy to mount and can be added in under one minute. Rosslare offers a variety of ordering options, including DIN-panel only and set up on an ME-1015 advanced power supply lockable enclosure. The system provides an ideal, modular and expandable solution for commercial and institutional needs.

GENERAL DESCRIPTION

AC-225IP-B, and AC-225-B are professional grade access controllers that have advanced online and offline logic capabilities, using non-volatile memory in case of total power loss. The panels support 30,000 users, 128 access areas, 128 access groups, 128 time zones, 64 holidays, and 32 panel automation links. They feature 2 readers, 4 outputs, 4 inputs, buzzer indicator output, and LED indicators for TCP/IP, serial bus, output status. The panels feature a secondary RS-232 serial port enabling a PC connection via a standard serial COM port. The reader ports support industry standard Wiegand inputs from 26-Bit to 64-Bit and 8 different keypad formats. When connected to AxTraxNG™ Server software Microsoft® Windows® 7/8/10 operating systems, IP networks of up to 1023 panels may be achieved with the AC-225IP.

MAIN FEATURES

- Full online and offline operation
- Supports for 30,000 active credentials, 30,000 PIN codes, 128 access groups, 128 access areas, 128 time zones, 64 holidays and 32 NG Smart Links for automation
- 20,000 nonvolatile, FIFO, records the event log while offline
- Expandable with MD-IO84B I/O expansion for additional 8 inputs, 4 outputs OR the MD-D02B 2-Reader expansion for additional 2 readers with 4 inputs, 4 outputs
- Real-time clock with super-cap holds power and keeps RTC real-time clock for up to 2 weeks when total power loss (no batteries to replace)
- Supports wide range of Wiegand reader formats, PIN keypad formats, and logic options to support wide range of locks, deadbolts, electric strikes, maglocks, and sliding doors

ROSSLARE
SECURITY PRODUCTS

SPECIFICATIONS (AC-225IP-DIN)

ELECTRICAL SPECIFICATIONS

■ ACU Power Supply Voltage	12 VDC, regulated from regulated power supply
■ Serial Ports	10/100 Ethernet Port (AC-225IP version) RS-485 Port, 4-wire G-Bus RS-232 Port: 4-Wire Standard RS-232
■ Inputs	4 supervised, hi-impedance, inputs Max. voltage: 5 VDC
■ Outputs	4 fully programmable 5 A, N.O. and N.C. relay outputs Rated 5 A @ 30 VDC
■ Reader Ports	2 reader ports (6-wire) Power: 12 V, 300 mA each Data: Wiegand Clock & Data Input/Output: LED control, tamper input
■ Speaker Output (Audio)	Speaker output for generating audible annunciation
■ LED Indicators (Visual)	TCP/IP (link+data), RS-485 link/data, output LED 4, Power LED

OPERATIONAL SPECIFICATIONS

■ Networking	Using AxTraxNG™ Server, connect 32 units/subnet (AC-225B) for up to 64 readers per network OR expand up to 128 readers with MD-D02B on each controller
■ Capacity	30,000 active credentials (Card & PIN)
■ History Event Log Size	20,000 events
■ Time Zones and Groups	128 multiple segment time zones, 64 holidays, 32 SmartLinks (If/then) on panel, 30,000 access groups
■ Special Features	Interlock, first person delay, auto relock, scheduled outputs operation, 4 programmable site codes, extended unlocked time, activation/deactivation, antipassback – hard/soft/timed

PHYSICAL SPECIFICATIONS

■ ACU Board Dimensions	193 x 136.5 mm x 39 mm (7.6 x 5.4 x 1.5 in)
■ Enclosure	Protective cover, with 1 expansion slot for MD expansions
■ Weight	0.36 kg (12.7 oz)

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)

ORDER MODELS	AC-225IP-B – TCP/IP Networked with ME-1015 AC-225-B – RS-485 Model with ME-1015 AC-225IP – DIN – TCP/IP panel only with DIN housing AC-225-DIN – RS-485 serial bus panel only with DIN housing MD-D02B - 2-reader, 4-input, 4-output expansion MD-IO84B - 8-input, 4-output expansion
PRODUCT WARRANTY	2-year limited product warranty

ABOUT ROSSLARE SECURITY

Rosslare Security Products manufactures and markets high-quality security products via its worldwide offices and channel partners. Since 1980, Rosslare has offered high-quality systems for enterprise, small business, and residential applications. With Rosslare, you receive the best of all worlds: world-class product engineering and design; professional customer service spanning the globe.

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