

MAC-4Rx MASC ACCESS CONTROLLER

Abba Logic

PLC Based Access Control



Imagine an easy to use Access Control panel, with all the power of a PLC. The MAC-4Rx is an intelligent distributed processing Access Control panel with programmable ladder logic control functions. The integrated Echelon communications scheme brings IP connectivity, reliability, high addressability, and inter-panel communications.

Readers, inputs, and outputs can be configured in any shape or form to meet special conditions for opening a door. Sally ports and man traps are easy to program. The controllers can even be programmed for special actions based on card holder activity. This is all done using Echelon's Open Technology Protocol. Do you want Standard hardware platform? Echelon brings multiple manufactures together.

So whether it's time zone controlling a door to open at a certain time of day, or operating under the demanding controls of our US State and Federal prisons, the MAC-4Rx controller has what it takes to do the job.

MAIN FEATURES

The MAC-4Rx was designed as a wall or rack mount controller for Access Control applications. Up to 4 readers, 8 inputs, and 4 outputs can be connected to one MAC-4Rx Access Controller. Up to 6 controllers can fit in one rack. Multiple controllers can be programmed to talk to one another through our use of Echelon's Lon-Talk peer-to-peer communications. Only one IP address is needed to talk to the rack. A project can start small with 4 or 8 doors and continue to expand into thousands of doors.

The controllers can be connected to one PC or Multiple PC's through a local or wide area network connection. Connection options include IP (TCP/IP), USB.

Real-time point status allows the user to see the true state of every point at all times.

- ◆ 20,000 Card Holders
- ◆ Threat Levels and Visitor Cards
- ◆ 4 Wiegand based Reader Ports
- ◆ Multiple bit-patterns supported
- ◆ Mifare Card Support
- ◆ FIPS 201 Card Support
- ◆ CAC, TWIC Card Support
- ◆ Supplies 5 or 12vdc to Readers
- ◆ Reader/Pin use by Time of Day
- ◆ 8 Programmable Inputs
- ◆ 2, 3, or 4-State Supervision
- ◆ 4 Five-amp Output Relays
- ◆ Ladder logic Programming
- ◆ Conforms to UL Std 294

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MAC-4Rx

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Part Numbers for Ordering	
MAC-4Rx	MAC-4Rx Access Controller Rack Mount Version
MLC-CAGE	MLC Cage with Back Plane BP-6 connector
19" Rack Rails	19" Mounting Rails
ENC-RM	Wall Rack Assembly with Cage
PWR-24-RM	24 VDC Power Supply for Rack
LT-IP	Lon-Talk Ethernet Adapter
LT-USB	USB Adapter



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Specifications:

Power

- ◆ 12-30 VDC @ 640 mA Max
- ◆ 12 VDC when powered by Battery
- ◆ 3.5 VDC @ 350 mAH Memory Bat
- ◆ ENC-RM supports 12VDC or 24VDC Power Supply Rated @ 6.5 Amps

Outputs

- ◆ 4 Single-Pole Double Throw Form-C Contacts @ 120VAC or 30VDC, 6 Amps
- ◆ Individually Fused @ 5 Amps
- ◆ LED Status Indicators
- ◆ Peer-to-Peer Communications

Data

- ◆ 78KBPS Free Topology twisted pair transceiver using Echelon Lon-Talk Protocol provide Host communications and Peer-to-Peer communications.
- ◆ SNVT Support

Operating Temperature

- ◆ -20° to 85° C
- ◆ -4° to 150° F
- ◆ 95% Humidity (non-condensing)

Dimensions

- ◆ PCB Board, 4.5"W x 11"H x 1" D
- ◆ ENC-RM 17.75" W x 27.5" H x 8.5" D

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Notice: MAC-4R-NV specifications are subject to change without notice