

MAC-RDC

REMOTE DOOR CONTROLLER

Abba Logic

PLC Based Access Control



This Remote Door Controller provides all the benefits of distributed processing and distributed cabling at a cost effective price. The Controller provides Access Control, PLC Control, and Intercom control all in one unit. All the connections are local to the door with data, intercom, and power cables coming from a central location. IT directors have been asking for a POE device so they can use their network cable and use their POE switches. The only problem with that is that 80% of all the door locks installed are 24v and a POE device cannot support 24v or 110v locks. This handy little controller can control 12, 24 or 110v locks, and as an added benefit the relays are individually fused at 5 amps.

Although this device is not POE powered it does offer all the benefits people are looking for with POE.

- IP connectivity
- A single wire run to the door, (2-Pair, Data and Power)
(A third pair is required if you wish to use IC Circuit)
- Fully Distributed Processing
- 2- Card Readers, with DPS, Lock, and REX
- 2- Intercom Stations, Inside and Outside of door

MAIN FEATURES

Readers, inputs, and outputs can be configured in any shape or form to meet special conditions for opening a door. Remember, this is a PLC. Sally ports and interlocked doors are easy to program. The controllers can even be programmed for special actions based on card holder activity.

Communications are established with an IP to Echelon adapter. One IP adapter can support up to 30 remote RDC units up to 300 meters apart so it will easily handle that long run to the other side of the warehouse. A single Cat-5 wire run can support multiple multi-drop devices in a single area. Do you want Standard hardware platform? Echelon brings a building device network together with IP connectivity into one system.

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-RDC controller has what it takes to do the job.

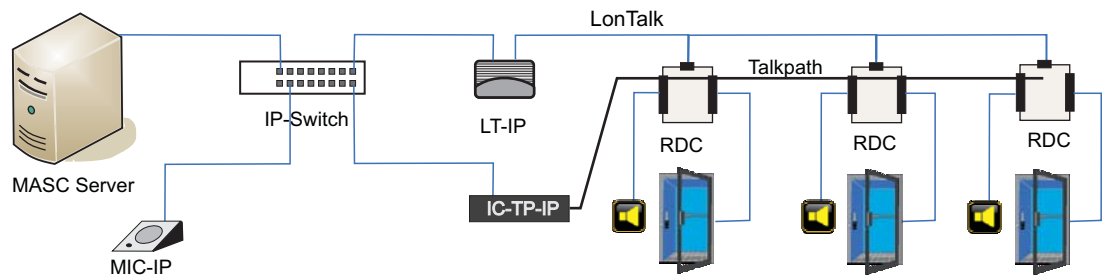
- ◆ 20,000 Card Holders
- ◆ Threat Levels and Visitor Cards
- ◆ 2 Wiegand based Reader Ports
- ◆ Multiple bit-patterns supported
- ◆ Mifare Card Support
- ◆ FIPS 201 Card Support
- ◆ CAC, TWIC Card Support
- ◆ Supplies 12vdc to Readers
- ◆ Reader/Pin use by Time of Day
- ◆ 6 Programmable Inputs
- ◆ 2,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

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Part Numbers for Ordering	
MAC-RDC	RDC Remote Door Controller
RDC-FUSE	5 Amp Fuse
ENC-RDC	Plastic Case for RDC
LT-IP	IP adapter, Din Rail mount
LT-USB	USB Adapter



Specifications:

Power

- ◆ 12-30 v AC OR DC, 200 mA base draw
- ◆ 1.5A Max draw available for other devices
- ◆ Power Selectable via Jumpers
- ◆ 3.5 VDC Memory Bat

Inputs/Outputs

- ◆ 2 Wiegand Reader Ports, with 26, 32, 35, 36, 37, 40, 48 bit support.
- ◆ 2 Single-Pole Double Throw Form-C Contacts @ 120VAC or 30VDC, 8 Amps
- ◆ 2 Audio Relays @ 2A 60 Watts
- ◆ LED Status of 4 Outputs
- ◆ Individually Fused @ 5 Amps
- ◆ 6 Programmable Inputs, N/O, N/C, Supervised, or Analog

Data

- ◆ 78KBPS Free Topology twisted pair transceiver using Echelon Lon-Talk Protocol provide Host communications and Peer-to-Peer communications.
- ◆ Only 1 IP adapter is required per trunkline
- ◆ Intercom Master can be hardwired or supported through an IP connection

Operating Temperature

- ◆ -20° to 85° C
- ◆ -4° to 150° F
- ◆ 95% Humidity (non-condensing)
- ◆ Indoor use only, must be mounted on Secure side of door.

Dimensions

- ◆ US 2.44"W x 5.41"L x 1.52" H
- ◆ Metric 62 W x 138 L x 39 H mm

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