

MLC-8IC-Dual INTERCOM CONTROLLER (SPLC)

Abba Logic

PLC Based Access Control

The MLC-8IC Dual is a fully Programmable Logic Controller (PLC) built specifically for controlling dual channel Audio. It supports both intercom and paging controls with PLC ladder logic. It's equipped with distributed intelligence as each controller has its own processor and makes its own decisions.



It's a perfect fit for Police Departments and County Jails as the PLC and intercom equipment can all fit in one rack. Every controller has its own processing power, the system can continue to grow without losing performance. This also brings the single point of failure down to one controller.

The Echelon communications network provides fast peer-to-peer communications between controllers; where one controller can control other controllers on the same network. The family of products include a variety of input and output controllers fully programmable and fully compatible with its sister product, the MAC-4Rx Access Controller.

It's flexible, dependable and easy to program.

MAIN FEATURES

The MLC-8IC Dual supports up to 8 audio stations each having an input and 2 audio rated outputs. The 16 outputs are connected to 2 separate talk paths, 8 outputs per talkpath. Each of the 8 inputs can be individually configured to operate as normally open or normally closed. Every point is equipped with LED status indicators to provide visual status of the inputs and outputs.

Up to 6 controllers can be mounted in the Wall or 19" Rack enclosures (Provided Separately). They can also be flush mounted and fit into an existing enclosure. Ladder logic programming comes pre-configured but can be modified to meet a variety of applications. More than 500 instructions are allowed. Programming structure is drag-n-drop full function ladder logic with over 50 different ladder commands. The Real-Time clock provides for timing down to the second.

- ✦ 2 Separate Talk-paths
- ✦ 8 Audio Stations to Common Bus
- ✦ (1) Input and (2) Outputs per station
- ✦ Outputs are rated @ 60 Watts
- ✦ LED Status indicators
- ✦ Stand Alone Processor
- ✦ Programming Stored in Flash
- ✦ Lon-Talk FT - 78KBPS
- ✦ Peer-to-Peer Control
- ✦ Rack Mount or Flush mount Design
- ✦ Graphical Ladder Programming
- ✦ IP or USB Connectivity
- ✦ Real-Time Clock
- ✦ UL 294 Listed

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Part Numbers for Ordering	
MLC-8ICD	MLC-8IC Dual Channel IC Adapter
ENC-RM-19	19" Rack Rails with BP-6
PWR-RM-Wall	18" x 27" x 8.5" Wall Mount Enclosure
PWR-24V-100W	24VDC, 100 Watt Power Supply
PWR-24V-240W	24VDC 240 Watt Power Supply
LT-IP	Lon-Talk to Ethernet Adapter
LT-USB	Lon-Talk USB Adapter



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Specifications:

Power

- w 12-30 VDC @ 500 mA Max
- w Allocate 3 amps per rack of 6 Adap
- w PWR-12V 100W Power Supply
Rated @ 8.3 Amps
- w PWR-24V 240W Power Supply
Rated @ 10 Amps

Inputs/Outputs

- w 8 Configurable Inputs used for call buttons: N/O, N/C, Selectable voltage 12 or 24
- w Inputs are active low
- w 16 Audio Outputs rated @ 2 amp 30V, 7.5 amp inrush
- w LED Status Indicators
- w Peer-to-Peer Communications

Data

- w 78KBPS Free Topology twisted pair transceiver using Echelon Lon-Talk Protocol provide Host communications and Peer-to-Peer communications.
- w One IP adapter for every 30 control panels

Operating Temperature

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

Dimensions

- w PCB Board, 4.5"W x 11"H x 1" D
- w ENC-RM-WALL 18" W x 27" H x 8.5" D
- w ENC-RM-19, Rack space @ 12.25" if PCB's mounted vertically or 14" if PCB's are mounted horizontally.

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