MLC-8IC-NV
LOGIC CONTROLLER (SPLC)

Abba Logic

PLC Based Access Control

The MLC-8IC is a fully Programmable Logic Controller (PLC) built specifically for controlling 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-4R Access Controller.

It's flexible, dependable and easy to program.

MAIN FEATURES

The MLC-8IC supports up to 8 audio stations each having an input and audio rated output point. The outputs are all connected to a common talk path or bus. Each input can be individually configured to operate as normally open or normally closed, supervised, or non-supervised. Every point is equipped with LED status indicators to provide visual status of the inputs and outputs.

Up to 7 controllers can be rack mounted in the ENC-RM enclosure (Provided Separately).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 system battery maintains the configuration data for a minimum of 6 months on power failure. The Real-Time clock provides for timing down to the second.

- 8 Audio Stations to Common Bus
- (1) Input and Output per station
- Outputs are rated @ 30 Watts
- LED Status indicators
- Stand Alone Processor
- Programming Stored in Flash
- Lon-Talk FT - 78KBPS
- Peer-to-Peer Control
- Rack Mount Design
- Graphical Ladder Programming
- IP or USB Connectivity
- Real-Time Clock
- Echelon Intercom Control
- Echelon Paging Control

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Part Numbers for Ordering	
MLC-8IC-NV	MLC-8IC Relay Controller W/MPU (SNVT Version)
MPU-8-NV	Master Processing Unit for 8IC (SNVT Version)
MLC-8IC-NV-PCB	MLC-8IC Relay Controller Only
ENC-RM	Rack Assembly for MLC Controllers
PWR-RM	12VDC Power Supply for Rack
LT-EA-10	iLon-10 Ethernet Adapter
LT-USB	USB Adapter

ABBA LOGIC LLC
3816 - 15th St, Racine, WI 53405
Tel: (262) 634-4566
www.abbalogic.com

Specifications:

Power

- 12-18 VDC @ 300 mA Max
- 12 VDC when powered by Battery
- 3.5 VDC @ 350 mAH Memory Bat
- ENC-RM is 12VDC Power Supply Rated @ 6.5 Amps

Data

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

Inputs/Outputs

- 8 Configurable Inputs used for call buttons: N/O, N/C, 2, 3, or 4 State Supervision
- 8 Audio Outputs rated @ 30 Watts
- LED Status Indicators
- Peer-to-Peer Communications

Operating Temperature

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

Dimensions

- PCB Board, 4.5"W x 11"H x 1" D
- ENC-RM 16" W x 16" H x 6.75" D