



MC-MLC-8IC-D

The MC-MLC-8IC is part of OSSI's Complete PSIM Solution. This Smart Programmable Logic Controller (SPLC) is built specifically for controlling audio. The controller supports both intercom and paging and comes with preconfigured ladder logic to reduce implementation time. The panel supports peer to peer communication and ladder logic programming providing ultimate flexibility. The distributed processing and peer to peer communications provide a redundant robust solution that continues to function regardless of the condition of the rest of the system.

Each controller can be connected to one or multiple host devices for redundancy. Connection options include serial, fiber or Ethernet adapters.

Ethernet interfaces provide a direct connection to local or wide-area networks reducing infrastructure and lowering installation costs.

PROGRAMMING

- User-definable ladder logic programming allows system operation to be configured to the needs of the application
- All points are programmable and can be triggered from system events or Inputs from other controllers

OPERATIONS

- Standalone processor
- Program stored in flash memory
- Real-time clock for time/date based operation
- Peer-to-peer capability

POWER

- 12-15 VDC
- 70 mA base current
- 15 mA per activated input
- 550 mA maximum draw
- Memory backup - 6 months

DATA

- 78 KBPS Free Topology twisted pair transceiver provides connection to host and peer-to-peer communications between panels

TERMINATION

- Communications through rack mount
- Removable Screw Terminals for up to 14 AWG

INPUTS / OUTPUTS

- 8 Inputs which can be set to 2, 3, or 4-state LED status indicators
- 8 (30 Watt) Outputs maximum load of 125 V, 1.2 A
- LED status indicators

COMMUNICATIONS

- Integrated Lonworks communications topology allows the system to be configured as a star, bus or loop
- Ethernet communication options

OPERATING TEMPERATURE

- -20° to 65° C
- -40° to 150° F

RACK MOUNT

- Up to 7 controllers can be mounted in an ENC-RM providing 224 Inputs in a small 16 x 16 footprint

DIMENSIONS

- PCB Board: 4"w x 11"h x 1"d
- With connectors: 4.5"w x 11"h x 1"d
- ENC-RM: 16"w x 16"h x 6.75"d

ORDERING INFORMATION

MC-MLC-8IC PCB	MC-MLC-8IC Board Only
MC-MPU-8IC	Main Processor Unit for 8IC
MC-MLC-8IC	MC-MLC-8IC Adapter with MPU-8IC

SOLD SEPARATELY	
MC-ENC-RM	Enclosure to support 7 MLC Panels
MC-PWR-RM	12Vdc, 6.5A ENC-RM Power Supply