OSSI

I/O Control Panels

MC-MLC-16R

The MC-MLC-16R is part of OSSI's Complete PSIM Solution. This Smart Programmable Logic Controller (SPLC) is built specifically for controlling system outputs. 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. The controller provides 16 Form C relay outputs that can be triggered by system multitude of events or from peer to peer commands from other controllers.

The integrated Lonworks communications protocol and flexible communications topology supports up to 126 controllers on one trunk line.

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

Ethernet interfaces provide direct a 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

TERMINATION

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

RACK MOUNT

- up to 7 controllers can be mounted in an ENC-RM providing 112 outputs in a small 16 x 16 footprint

OUTPUTS

- 16 Single-Pole Double-Throw Form C Contacts
- Contacts rated at 6 Amps and 250 Volts
- Individually fused at 5 Amps
- LED status indication

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
- -4° to 150° F

DATA

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

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-16R PCB	MC-MLC-16R Board Only	SOLD SEPARATELY	
MC-MPU-16R	Main Processor Unit for 16R	MC-ENC-RM	Enclosure to support 7 MLC Panels
MC-MLC-16R	MC-MLC-16R Adapter with MPU-16R	MC-PWR-RM	12Vdc, 6.5A ENC-RM Power Supply

www.ossi-usa.com   (888) 488-2623