I/O Control Panels

MC-MLC-32I

The MC-MLC-32I is part of OSSI's Complete PSIM Solution. This Smart Programmable Logic Controller (SPLC) is built specifically for monitoring system inputs, both analog and digital. 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 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 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
- 32 Programmable Inputs
- Supervised and non-supervised
- Binary capability for event alarms
- Analog capability for temperature, fluid level and other real-world sensors
- LED status indicators per input
- Removable screw-down terminal blocks

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

OPERATING TEMPERATURE
- -20º to 65º C
- -4º to 150º 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-32I PCB	MC-MLC-32I Board Only	SOLD SEPERATLY	
MC-MPU-32I	Main Processor Unit for 32I	MC-ENC-RM	Enclosure to support 7 MLC Panels
MC-MLC-32I	MC-MLC-32I Adapter with MPU-32I	MC-PWR-RM	12Vdc, 6.5A ENC-RM Power Supply