



MC-MAC-4R

The MAC-4R is part of OSSI's Complete PSIM Solution. The MAC-4R is an intelligent distributed processing access control panel. The panel supports ladder logic programming providing ultimate flexibility.

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
- User-defined operator interface allows the operator screens to be configured specifically for the application

OPERATIONS

- Supports 52,000 cards per panel
- Threat-level based operation
- Real-time clock for time/date based operation
- Wiegand and magnetic stripe outputs standard

POWER

- 16.5 VAC @ 2 Amps maximum
- 18-28 VDC @ 2Amps maximum
- 12 VDC when powered by system battery
- 12 VDC @ 4 Ah system battery
- 3.5 VDC @ 350 mAh memory battery

DATA

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

TERMINATION

- Removable screw terminals for up to 12 AWG

INPUTS/OUTPUTS

- Support for up to 4 Wiegand, Magnetic-stripe or Proximity readers.
- Support for Reader/PIN combinations for 8-bit keypads
- Supplies 5 VDC or 12 VDC power for readers
- Sixteen supervised or un-supervised inputs
- Inputs can be configured as binary (logic) or analog (values)
- Two or Four-state supervision of inputs
- Eight 5 Amp 300 Volt rated relay outputs
- Sixteen solid-state sinking outputs

COMMUNICATIONS

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

TERMINATION

- Removable screw terminals for up to 12 AWG

OPERATING TEMPERATURE

- -40° to 65° C
- -40° to 150° F

ENCLOSURE DIMENSIONS

- PCB Board: 8-3/4" w x 6-3/4" h x 1" d
- 4-Door Enclosure: 15" w x 17.5" h x 4.5" d
- 8-Door Enclosure: 18" w x 29.5" h x 4.5" d

ORDERING INFORMATION

MC-MAC-4R PCB	Complete PCB Assembly Only
MC-MAC-4R	MAC-4R-PCB In enclosure (12V Battery and Power Supply Not Included)

MC-MAC-8R	Two MAC-4R-PCB In one enclosure (12V Battery and Power Supply Not Included)
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