

MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

GE PACSYSTEMS RX3I

IC694MDL240

16-POINT 120 V AC INPUT MODULE

Used with the applicable PACSystems RX3i discrete I/O configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: GE official manufacturer documentation

6.3 Input Module, 120 Vac, 16-Point: IC694MDL240

The **120 Vac Input** module, IC694MDL240, provides sixteen input points with one common power input terminal. The input circuits are reactive (resistor/capacitor) inputs. Current passing into an input point results in a logic 1 in the input status table (%I). Input characteristics are compatible with a wide range of input devices, such as pushbuttons, limit switches, and electronic proximity switches.

Power to operate the field devices must be supplied by the user. This module requires an AC power source; *it cannot be used with a DC power source.*

Sixteen green LEDs indicate the ON/OFF status of points 1 through 16. The red bands on the label show that MDL240 is a high-voltage module.

This module can be installed in any I/O slot in an RX3i system.

Module supports insertion into and removal from an RX3i Universal Backplane which is under power. Refer to *Hot Insertion and Removal*, Section 2.6.4.1.

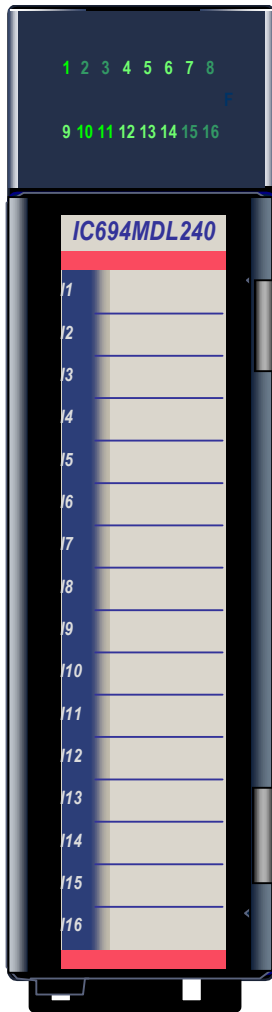


Figure 130: IC694MDL240

6.3.1 Specifications: MDL240

Rated Voltage	120 Vac
Input Voltage Range	0 to 132 Vac, 50/60 Hz
Inputs per Module	16 (one group with a single common) The maximum number of inputs on at the same time depends on the ambient temperature (Figure 131).
Isolation: Field to Backplane (optical) and to frame ground	250 Vac continuous; 1500 Vac for one minute
Input Current	12 mA (typical) at rated voltage
Input Characteristics:	
On-state Voltage	74 to 132 Vac
Off-state Voltage	0 to 20 Vac
On-state Current	6 mA minimum
Off-state Current	2.2mA maximum
On response Time	30 ms maximum
Off response Time	45 ms maximum
Power Consumption	90 mA (all inputs on) from 5 Vdc bus on backplane

For product standards and general specifications, refer to *Appendix A*.