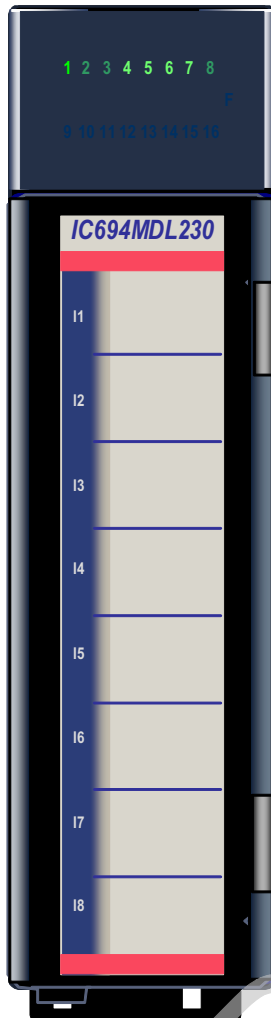


## Input Module, 120 Volt AC, 8 Point Isolated: IC694MDL230



The **120 volt AC Isolated Input** module, IC694MDL230, provides 8 isolated input points, each with a common power input terminal. Because the inputs are isolated, each input can be powered by a separate AC power source.

The input circuits are reactive (resistor/capacitor) inputs. Current 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.*

Eight green LEDs indicate the ON/OFF status of points 1 through 8. The red bands on the label show that MDL230 is a high-voltage module.

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

### Specifications: MDL230

<b>Rated Voltage</b>	120 volts AC, 50/60 Hz
<b>Input Voltage Range</b>	0 to 132 volts AC, 50/60 Hz
<b>Inputs per Module</b>	8 (each input point has a separate common)
<b>Isolation:</b>	
<b>Field to Backplane (optical) and to frame ground</b>	250 VAC continuous; 1500 VAC for one minute
<b>Point to Point</b>	250 VAC continuous; 1500 VAC for one minute
<b>Input Current</b>	14.5 mA (typical) at rated voltage
<b>Input Characteristics:</b>	
<b>On-state Voltage</b>	74 to 132 volts AC
<b>Off-state Voltage</b>	0 to 20 volts AC
<b>On-state Current</b>	6mA minimum
<b>Off-state Current</b>	2.2mA maximum
<b>On response Time</b>	30ms maximum
<b>Off response Time</b>	45ms maximum
<b>Power Consumption</b>	60mA (all inputs on) from 5 volt bus on backplane

Refer to Appendix A for product standards and general specifications.

**Field Wiring: MDL230**

<b>Terminals</b>	<b>Connections</b>
1	No connection
2	Input 1
3	Input 1 Return
4	Input 2
5	Input 2 Return
6	Input 3
7	Input 3 Return
8	Input 4
9	Input 4 Return
10	No connection
11	No connection
12	Input 5
13	Input 5 Return
14	Input 6
15	Input 6 Return
16	Input 7
17	Input 7 Return
18	Input 8
19	Input 8 Return
20	No connection

Module Circuits      Terminals      Field Wiring

