

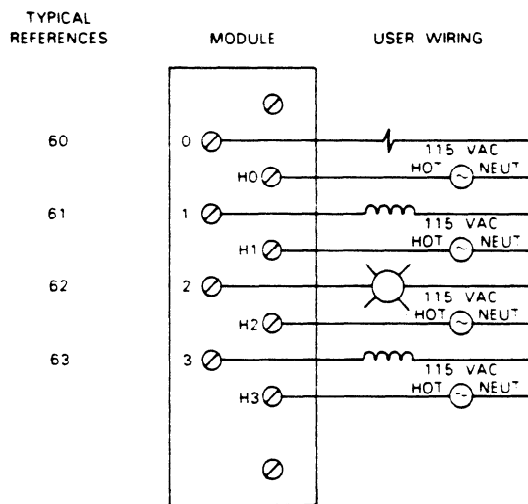
GEK-90842

**115/230 V ac Isolated Output
IC610MDL176**

This module provides 4 circuits each capable of controlling user supplied discrete (ON/OFF) loads. Typical loads include relay coils, motor starters (up to No. 4), solenoid valves, and indicator lights. Each of these circuits is isolated from the other circuits on this module relative to AC power source. The term isolation is not relative to optical-coupler noise and fault isolation which all I/O modules have. Each output is provided with 2 field terminals allowing separate AC power sources (that is, different phases) for each of the 4 outputs. These power sources must be supplied by the user. Figure 6-19 provides wiring information for this module. Although this module consumes 8 discrete references assigned to the slot into which it is placed, only 4 are actually used. The other 4 can be used internally as coils, but they cannot be provided to hardware I/O modules. Following are specifications for each of the four circuits:

Outputs	4
Operating Voltage	97-265 V ac
AC Frequency	47-63 Hz
Maximum Current*	2 amps
Maximum Leakage Current	7 mA @ 220V, 60 Hz 3.5 mA @ 110V
Maximum Inrush	20 amps for 16 ms
ON Voltage Drop	.8V @ 2 amps
Smallest Recommended Load	25 mA
OFF to ON Response	1.0 ms
ON to OFF Response	8-10 ms (1/2 Cycle)
Circuit Indicator	Logic Side
Fuses (Internal) (each circuit, Replaceable)	(4) 3 amp fast blow
Internal Power Consumption	12 mA @ 9 V dc
Units of Load	8 units @ 9 V dc
Weight	5 oz (140 g)

pc-s1-83-0038



WIRING DIAGRAM

* Maximum load current is dependent upon ambient temperature as shown on the chart in figure 6-18.

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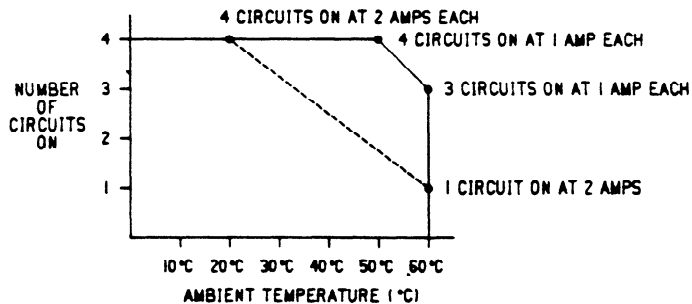


Figure 6-18. I/O Points vs Temperature Chart

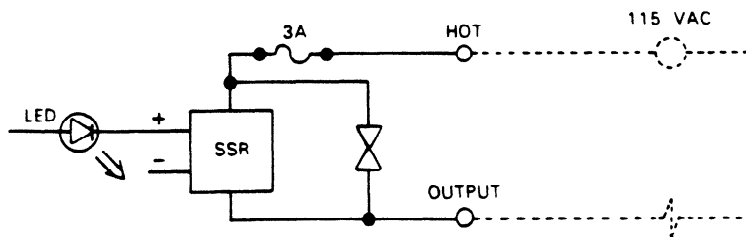


Figure 6-19. Wiring for 15 V ac Isolated Outputs