115/230 VAC Isolated Output, 2 Amp - 16 Circuits
IC655MDL576

This module provides 16 isolated circuits for controlling user output loads. The output switching capacity of this module is two amps. 16 LEDs on the front of the module provide a dual function. They provide a visual indication of the status of each output circuit, with each LED reflecting the ON or OFF state of the corresponding circuit. When commanded through programming, they indicate the starting I/O address for the module. Connections to each circuit are made to the removable terminal block on the front of the module. Each circuit is isolated from the other circuits on this module relative to the ac power source. Each output has two terminals associated with it which allows different ac power sources for each circuit; e.g. different phases. These terminals are labeled H1 and 1, through H7 and 7. There are two groups of these connections on the terminal block. The user must supply the AC source (or sources) of power for the loads connected to the module's output circuits.

Table 22. Specifications for 115/230 VAC Isolated Output - 16 Circuits

Output Circuit Type	Triac
Number of Circuits	16
Internal Circuit Grouping	Isolation between each circuit.
Operating Voltage	15 to 265 VAC, 48 to 63 Hz
Peak Voltage	265 VAC
Maximum Operating Current	2.0 amps 2 amps/common; 10 amps/module
Maximum Leakage Current	4.0 mA at 265 VAC, 60 Hz
ON Voltage Drop	1.5 VAC at 2 amps
Smallest Recommended Load	10.0 mA at 15 VAC
Maximum Inrush current	8 amps for 10 ms; 4 amps for 100 ms
OFF to ON Response	< 1 ms at 60 Hz
ON to OFF Response	< 10 ms at 60 Hz
Status Indicator Location	Logic side
Fuses Rating and Type, Internal	3 amps (1 for each circuit), fast blow
Internal Power Consumption, (5 VDC)	Total; 560 mA (typ), 650 mA (max) Per On Point; 35 mA
Weight	60 oz (920 g)

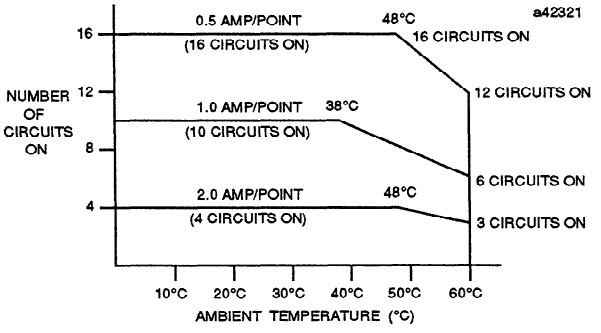

Figure 37. Output Points vs. Temperature for IC655MDL576

Wiring Information - IC655MDL576

The following figure provides the information required for connecting user supplied loads and power source to this module.

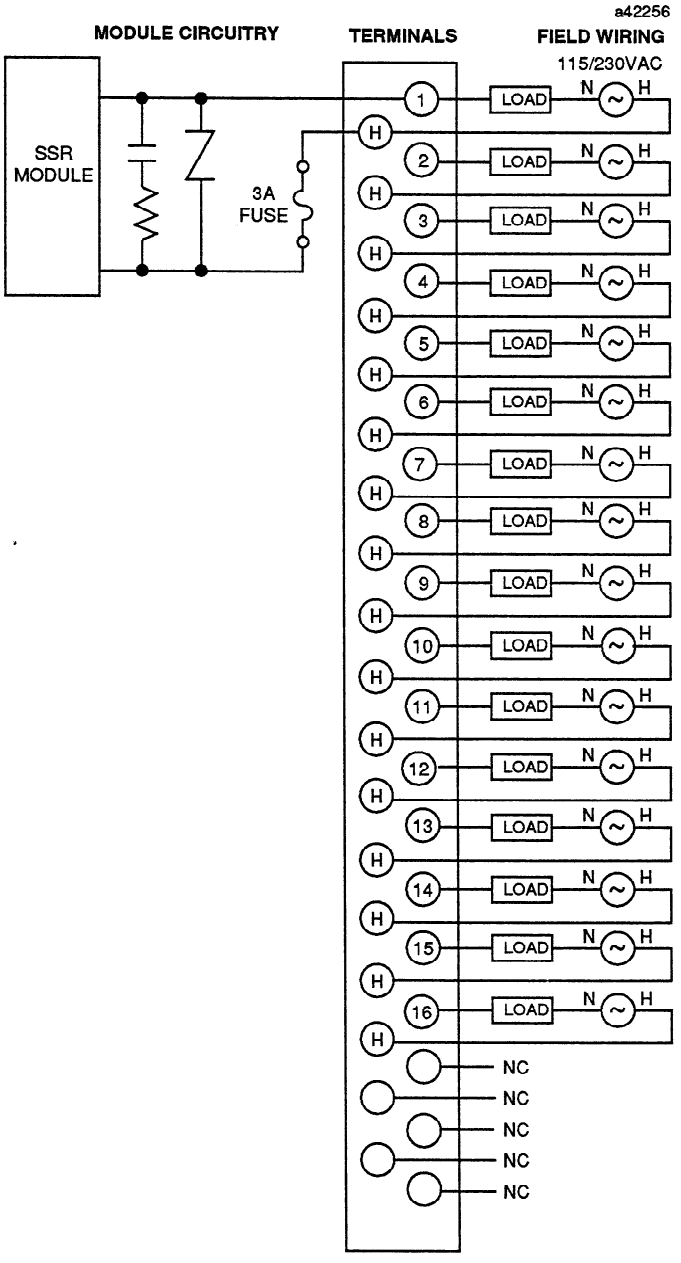

Figure 38. Field Wiring and Typical Circuit for IC655MDL576