

**115/230 VAC Output, 1 Amp - 32 Circuits
IC655MDL577**

This module provides 32 circuits for controlling user output loads. The output switching capacity of this module is one amp. The top 16 LEDs on 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. The output circuits are divided into four groups of eight. On the terminal block, they are labeled A, B, C, and D. The terminals in each group are labeled 1 to 8. Each group of eight has a single Hot connection, labeled H. The user must supply an source of power for the loads connected to the module's output circuits. Each group must be powered from a separate source. Specifications for this module are listed below.

Table 23. Specifications for 115/230 VAC Output, 1 Amp - 32 Circuits

Output Circuit Type	Triac
Number of Circuits	32
Internal Circuit Grouping	Four groups, eight circuits per group. (One hot connection for each group)
Operating Voltage	15 to 265 VAC, 48 to 63 Hz
Peak Voltage	265 VAC
Maximum Operating Current	1.0 amp; 3 amps/common; 12 amps/module
Maximum Leakage Current	2.5 mA at 265 VAC, 60 Hz
ON Voltage Drop	1.5 VAC at 1 amp
Smallest Recommended Load	10.0 mA at 15 VAC
Maximum Inrush current	10 amps for 10 ms; 5 amps for 100 ms
OFF to ON Response	1 ms at 60 Hz
ON to OFF Response	1 ms +1/2 cycle
Status Indicator Location	Logic side
Fuses Rating and Type, Internal	5 amps (1 for each group of eight circuits), fast blow
Internal Power Consumption, (5 VDC)	Total: 580 mA (typ); 640 mA (max) Per On Point; 18 mA

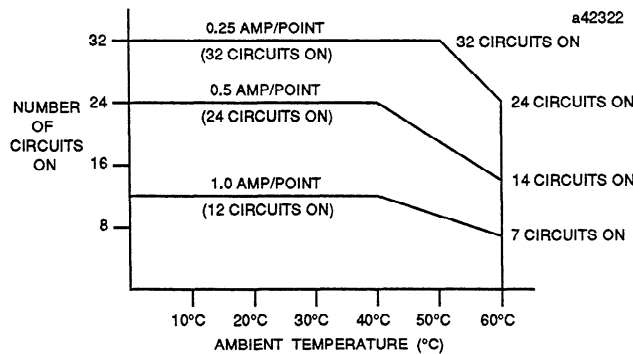


Figure 39. Output Points vs. Temperature for IC655MDL577

GFK-0123

Wiring Information - IC655MDL577

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

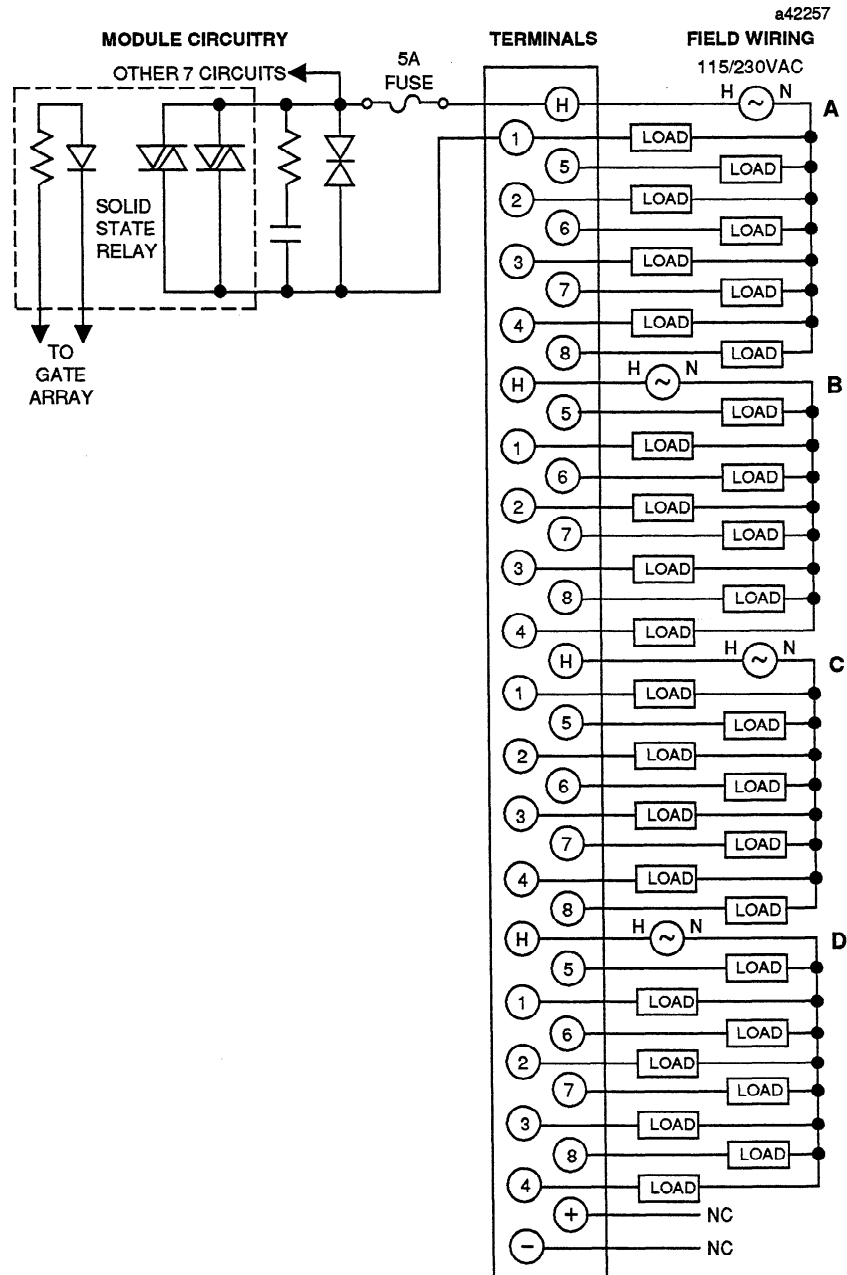


Figure 40. Field Wiring and Typical Circuit for IC655MDL577