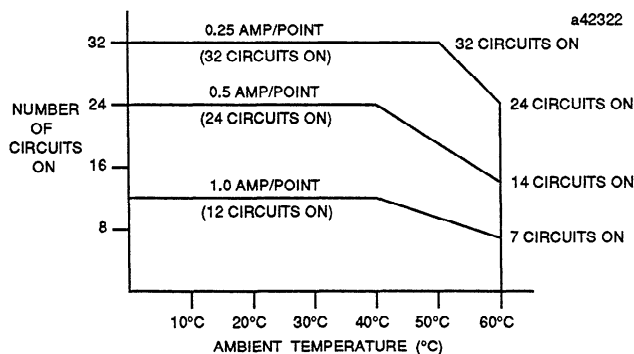


### 115/230 VAC Output, 1 Amp - 32 Circuits IC655MDL577

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 a 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**

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

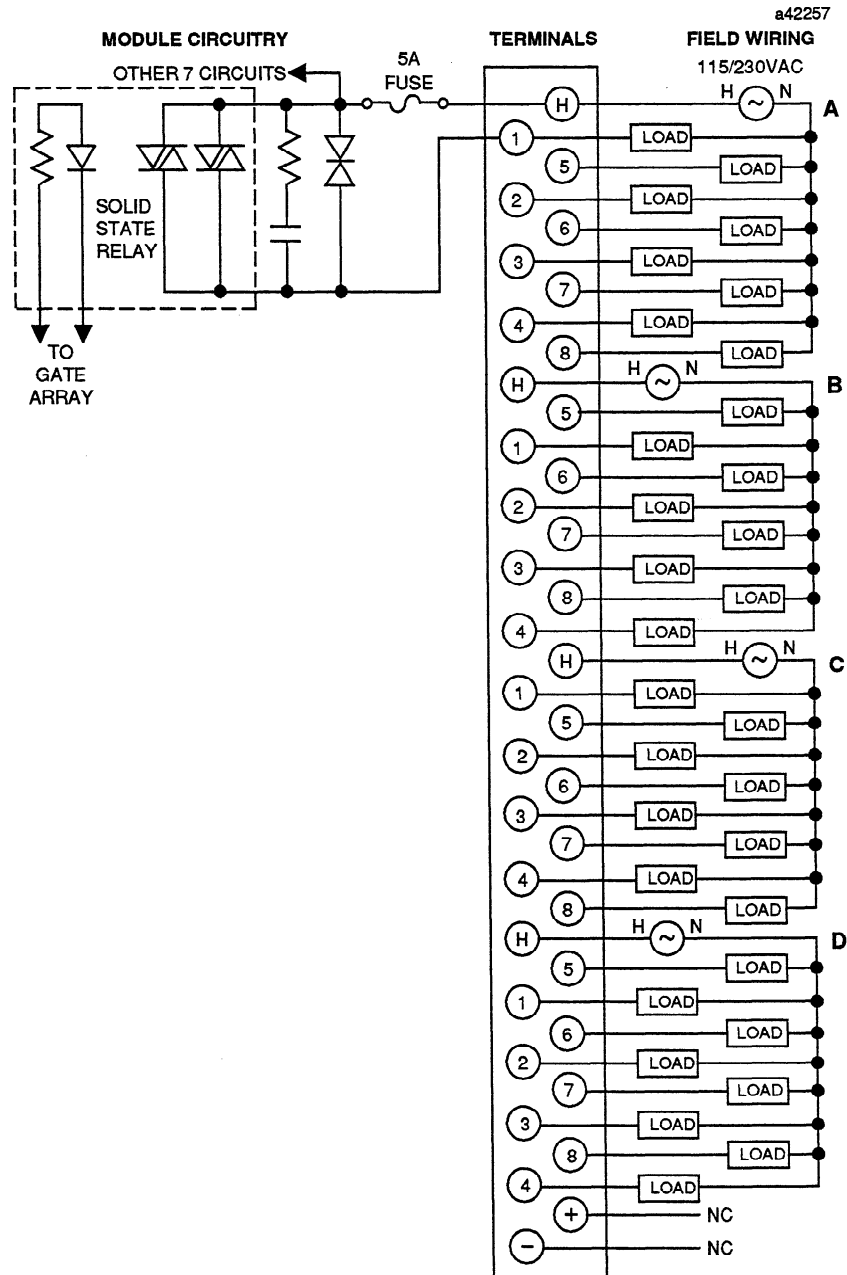


**Figure 39. Output Points vs. Temperature for IC655MDL577**

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**