

**24 VDC Input, Negative Logic, 16 Circuits
IC655MDL501**

This module provides 16 circuits for connection to user input devices. 16 LEDs on the front of the module provide a dual function. They provide a visual indication of the status of each circuit, with each LED reflecting the ON or OFF state of the corresponding circuit. When commanded through programming, they provide 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 input circuits are divided into two groups, A and B, with the input terminals for each group labeled 1 to 8. Each group has a single common connection, labeled C, for the eight circuits in the group. The user must supply a 12 to 24 VDC source of power for sensing the state of the inputs to the module. Both groups can be powered from a single power source or each group can be powered from a separate source.

Table 7. Specifications for 24 VDC Input, Negative Logic - 16 Circuits

Input Circuit Type	Negative Logic
Number of Circuits	16
Internal Circuit Grouping	Two groups, eight circuits per group
Operating Voltage	12 to 24 VDC
Maximum Voltage (open circuit)	26.4 VDC
Input Current	7 mA at 12 VDC; 15 mA at 24 VDC
ON Level	10 VDC; between C and Input terminal
OFF Level	5.5 VDC; between C and Input terminal
Maximum OFF Leakage	3.0 mA
Minimum ON Current	5.5 mA
OFF to ON Response	3 to 10 ms
ON to OFF Response	3 to 12 ms
Status Indicator Location	Logic side
Internal Power Consumption, (5 VDC)	Total; 64 mA (typical), 80 mA (maximum) Per On Point; 4 mA
Weight	42 oz (650 g)

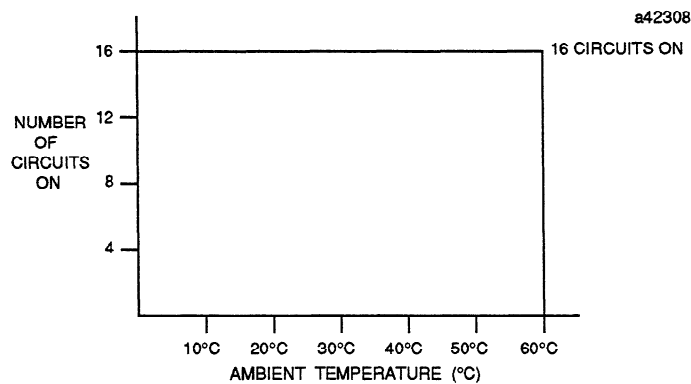


Figure 7. Input Points vs. Temperature for IC655MDL501

Wiring Information - IC655MDL501

The following figure provides the information required for connecting field devices to this module.

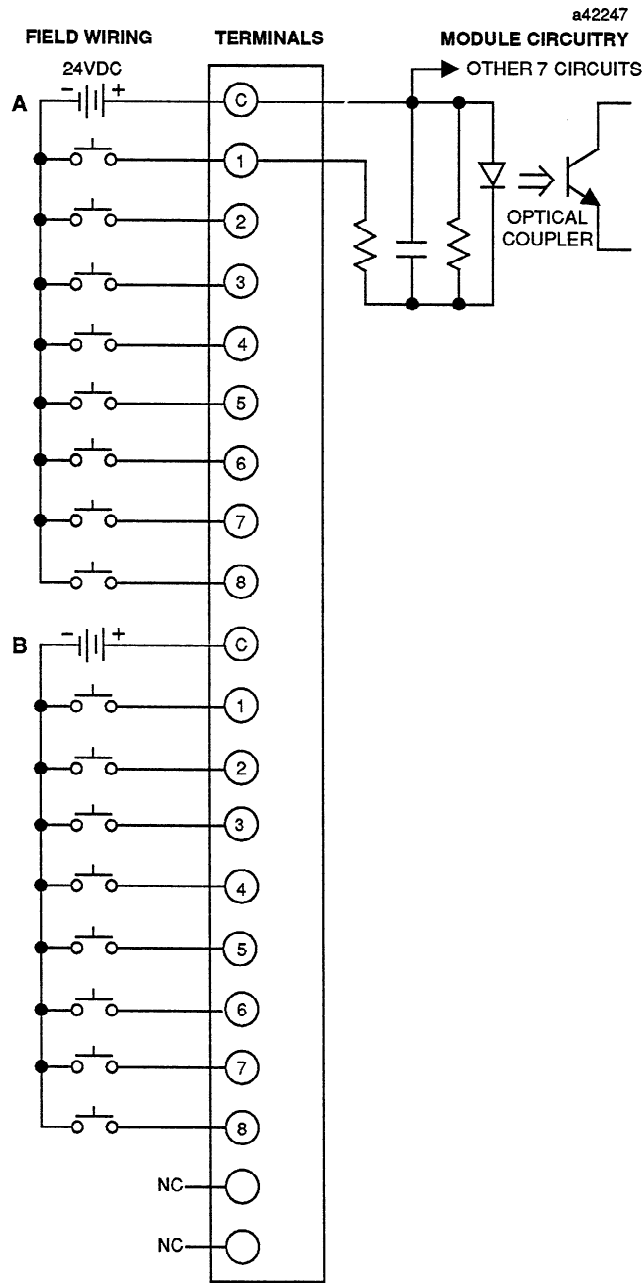


Figure 8. Field Wiring and Typical Circuit for IC655MDL501