

**24 VAC/DC Input, Positive Logic, 32 Circuits
IC655MDL512**

This module provides 32 circuits for connection to user input devices. 32 LEDs on the front of the module 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, these LEDs provide the starting I/O address for the module. Field wiring connections to each circuit are made to the removable terminal block on the front of the module. Input circuits are divided into four groups, with 8 circuits in each group. The groups are labeled A, B, C, and D, and the input terminals in each group are labeled 1 to 8. Each group of eight has a single common connection, labeled C. The user must supply a source of power, which can be 12 to 24 VAC or 12 to 24 VDC, to sense the state of the inputs to the module. Each group of inputs can be powered from a separate power source or a single power source can be used to power all groups of inputs.

Table 11. Specifications for 24 VAC/DC Input, Positive Logic - 32 Circuits

Input Circuit Type	Positive Logic
Number of Circuits	32
Internal Circuit Grouping	Four groups, eight circuits per group
Operating Voltage	10.2 to 26.4 VAC or dc
Maximum Voltage (open circuit)	26.4 VAC or dc
Input Current	10 mA at 24 VAC/DC
ON Level	10 VAC/DC; between C and Input terminal
OFF Level	3.0 VAC/DC; between C and Input terminal
Maximum OFF Leakage	1.0 mA ac/dc
Minimum ON Current	4.0 mA ac/dc
OFF to ON Response	5.0 to 30 ms
ON to OFF Response	10.0 to 50.0 ms
Status Indicator Location	Logic side
Internal Power Consumption (5 VDC)	Total; 160 mA (typical), 180 mA (maximum) Per On Point; 5 mA
Weight	48 oz (750 g)

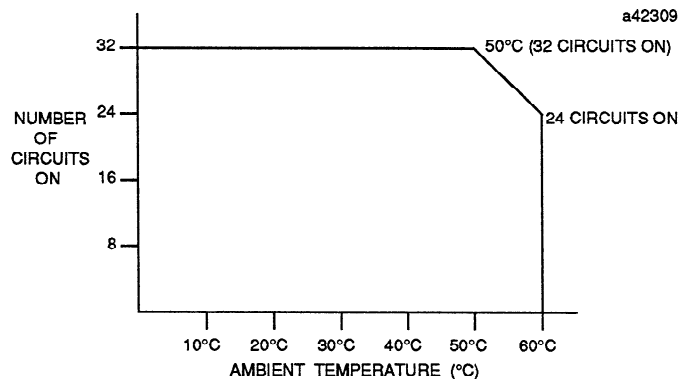


Figure 15. Input Points vs. Temperature for IC655MDL512

GFK-0123

Wiring Information - IC655MDL512

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

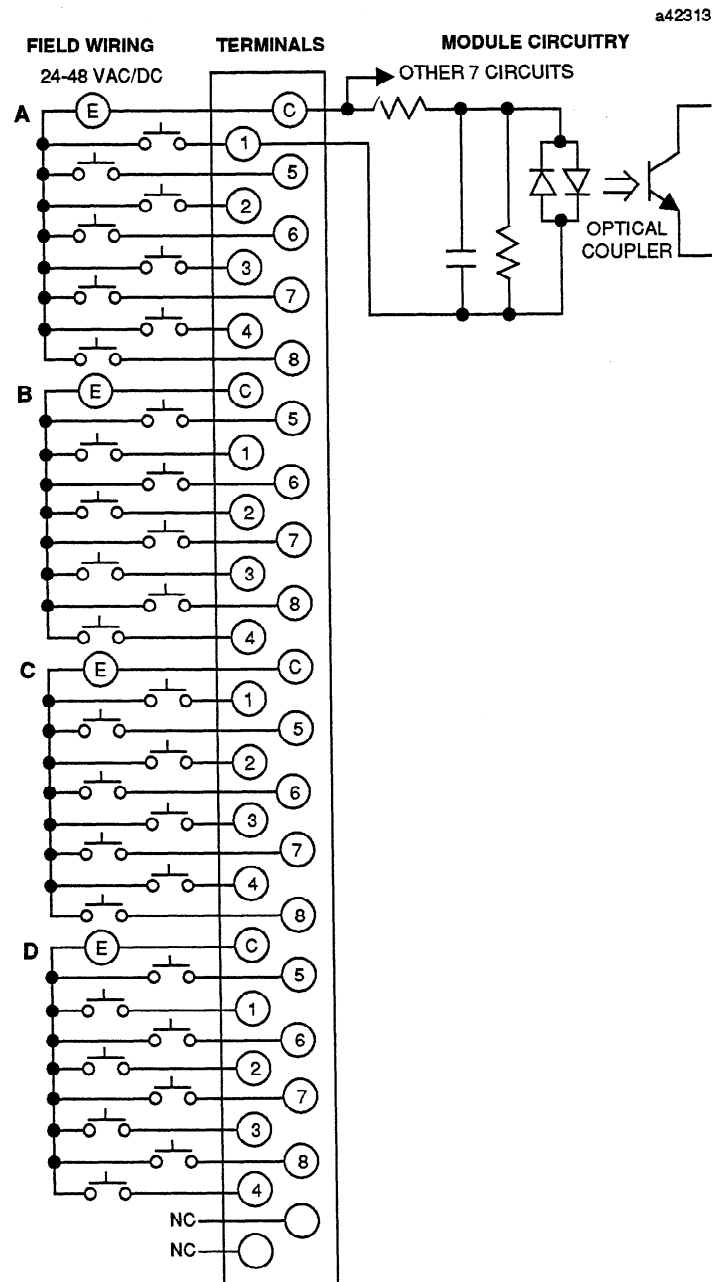


Figure 16. Field Wiring and Typical Circuit for IC655MDL512