

24 VAC/DC Isolated Input, Positive Logic, 16 Circuits IC655MDL511

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, the top 16 LEDs 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 labeled 1 through 16 with each input having a separate common associated with it. All common connections are labeled C. Each circuit is isolated from the other circuits, relative to the power source. The user must supply a source of power, which can be 24 to 48 VAC or 24 to 48 VDC, to sense the state of the inputs to the module. Each input can be powered from a separate power source or a single power source can be used to power all of the inputs.

Table 10. Specifications for 24 VAC/DC Isolated Input, Positive Logic - 16 Circuits

Input Circuit Type	Positive Logic
Number of Circuits	16
Internal Circuit Grouping	16 separate circuits
Operating Voltage	20 to 60 VAC or dc
Maximum Voltage (open circuit)	60 V
Input Current	20 mA ac/dc
ON Level	20 VAC/DC; between C and Input terminal
OFF Level	5.0 VAC/DC; between C and Input terminal
Maximum OFF Leakage	1.0 mA ac/dc
Minimum ON Current	5.0 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; 80 mA (typical), 100 mA (maximum) Per On Point; 5 mA
Weight	45 oz (700 g)

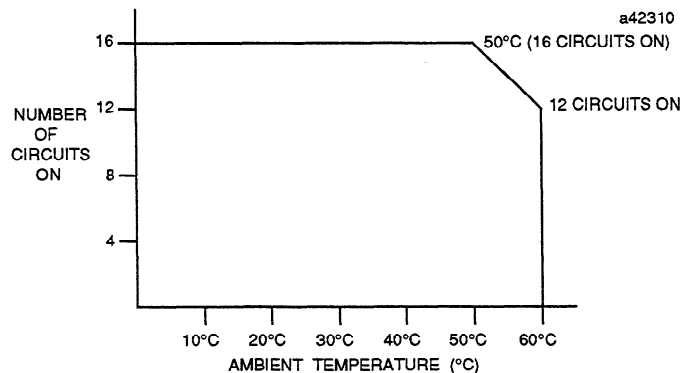


Figure 13. Input Points vs. Temperature for IC655MDL511

Wiring Information - IC655MDL511

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

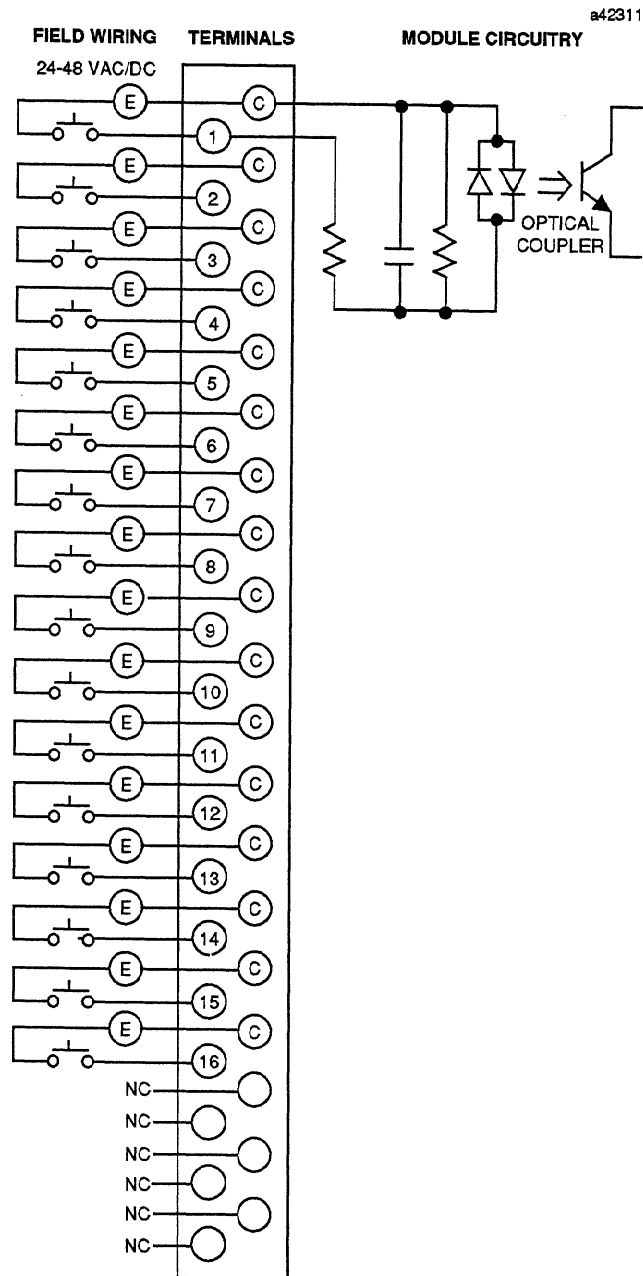


Figure 14. Field Wiring and Typical Circuit for IC655MDL511