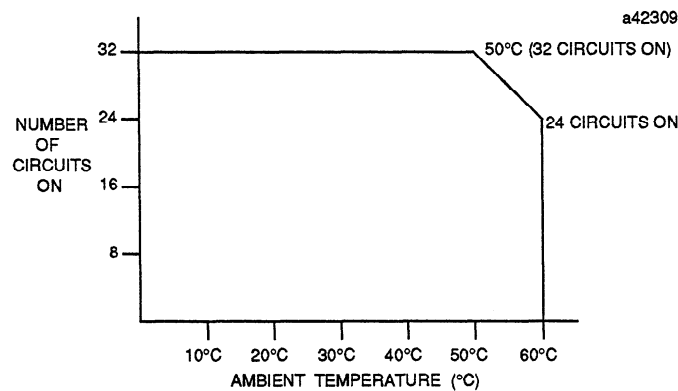


**24 VDC Input, Negative Logic, 32 Circuits  
IC655MDL502**

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. Each LED reflects 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. Input circuits are divided into four groups, with 8 circuits in each group. Field Wiring to each circuit is made to the removable terminal block on the front of the module. The groups are labeled A, B, C, and D, with the input terminals in 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. All four groups can be powered from a single power source or each group can be powered from a separate source.

**Table 8. Specifications for 24 VDC Input, Negative Logic - 32 Circuits**

<b>Input Circuit Type</b>	Negative Logic
<b>Number of Circuits</b>	32
<b>Internal Circuit Grouping</b>	Four groups, eight circuits per group
<b>Operating Voltage</b>	10.2 to 26.4 VDC
<b>Maximum Voltage (open circuit)</b>	26.4 VDC
<b>Input Current</b>	10 mA at 24 VDC
<b>ON Level</b>	6.5 VDC; between C and Input terminal
<b>OFF Level</b>	4.0 VDC; between C and Input terminal
<b>Maximum OFF Leakage</b>	1.5 mA
<b>Minimum ON Current</b>	3.5 mA
<b>OFF to ON Response</b>	3.7 to 10 ms
<b>ON to OFF Response</b>	3.5 to 12.5 ms
<b>Status Indicator Location</b>	Logic side
<b>Internal Power Consumption (5 VDC)</b>	Total; 130 mA (typical), 150 mA (maximum) Per On Point; 4 mA
<b>Weight</b>	48 oz (750 g)



**Figure 9. Input Points vs. Temperature for IC655MDL502**

