

Input Simulator, 16/32 Circuits IC655MDL524

The Input Simulator module has 32 two-position toggle switches on the front of the module. Each switch can be programmed as a discrete input device. This module allows simulation of either 16 point or 32 point input modules. A toggle switch, accessed by removing the side cover of the module, allows configuration of the module for either 16 or 32 points. When the mode switch is set for 16 points, only the top 16 switches (labeled A1 through A8 and B1 through B8) are active, the remaining 16 switches are disabled. This module requires no field connections.

The Input Simulator is a valuable tool when developing programs and troubleshooting since it can be substituted for actual inputs until the program or system is debugged. It can also remain permanently in the system to provide 16 or 32 conditional input contacts for manual control of output devices.

There are 32 LED indicators at the top of the module with each LED correspond to the similarly labeled switch. The corresponding LED turns ON when the switch is placed in the ON position, and is OFF when the switch is in the OFF position. The LEDs are arranged in four groups with 8 LEDs in each group. The top two groups are labeled A1 through 8 and B1 through B8, and the bottom two groups are labeled C1 through C8 and D1 through D8.

Table 12. Specifications for Input Simulator, 16 or 32 Points

Number of Circuits	16 or 32 (switch selectable)
OFF to ON Response	10 ms
ON to OFF Response	11 ms
Status Indicator Location	Logic side
Internal Power Consumption (5 VDC)	Total; 112 mA (typical), 200 mA (maximum)
Weight	30 oz (460 g)

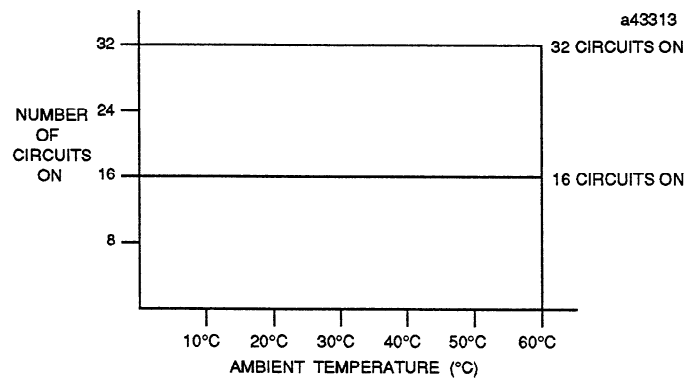


Figure 17. Input Points vs. Temperature for IC655MDL524

GFK-0123

Input Simulator Module

The Input Simulator module for the Series Five PLC is shown in the following illustration.

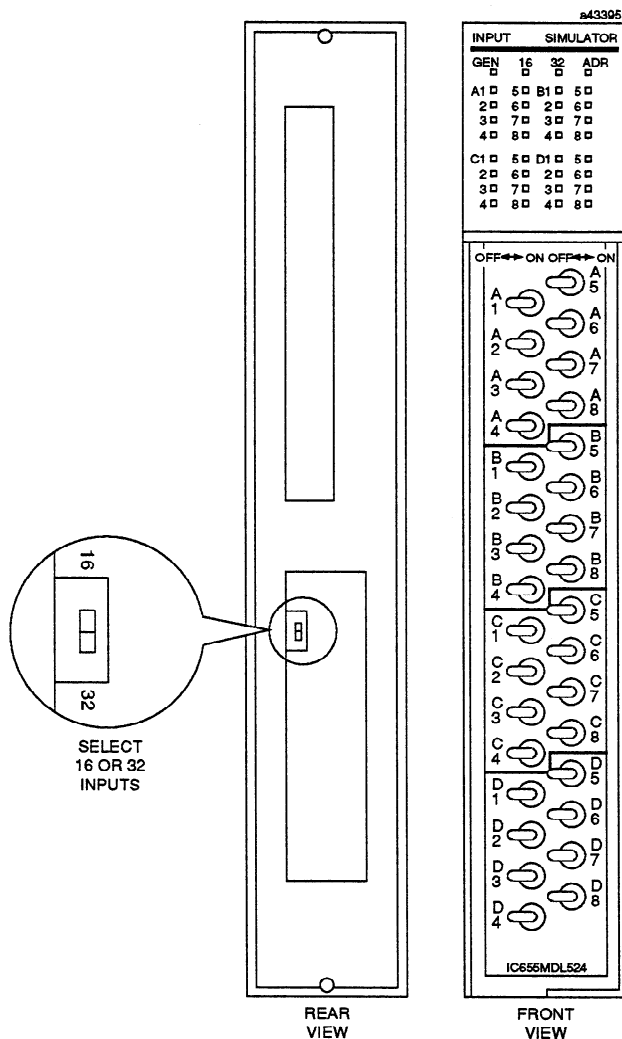


Figure 18. Input Simulator - IC655MDL524