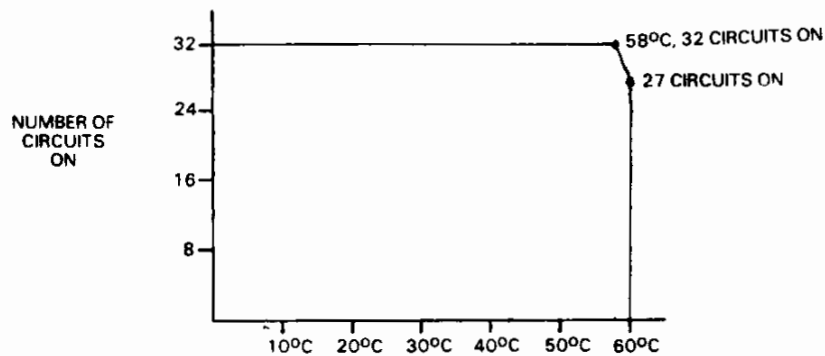


24 VDC INPUT (32 CIRCUITS)

IC630MDL302A

This 24 Vdc Input module provides 32 circuits, each designed to receive a single discrete (ON/OFF) signal from user supplied devices. Typical input devices include pushbuttons, limit switches, and relay contacts. A 24 Vdc external power source must be provided by the user for sensing the state of the inputs. All 32 inputs are powered from a single source. User devices are connected to the input circuits by connecting the field wiring to screw terminals on a connector mounted on the faceplate of the module. Recommended wire size is one No. 12 AWG wire or two No. 14 AWG wires. Terminals are also provided on the connector for the user power source. Specifications for each of the 32 circuits are listed below.

External Power	
Voltage	24 Vdc, + 10%
Ripple	< 3% rms, maximum
Current	270 mA, maximum (32 Inputs ON)
	125 mA TYP. (16 Inputs ON)
Input Current	7 mA
ON Level	< 6.0 Vdc
OFF Level	> 18.0 Vdc
ON Current, Min.	5.0 mA
OFF Leakage, Max.	2.0 mA
ON Delay	3-12 ms
OFF Delay	3-12 ms
Internal Power Consumption	5 Vdc @ 50 mA



AMBIENT TEMPERATURE (°C)
I/O POINTS VS. TEMPERATURE CHART

Figure 6.8 provides wiring information for this 24 Vdc module.

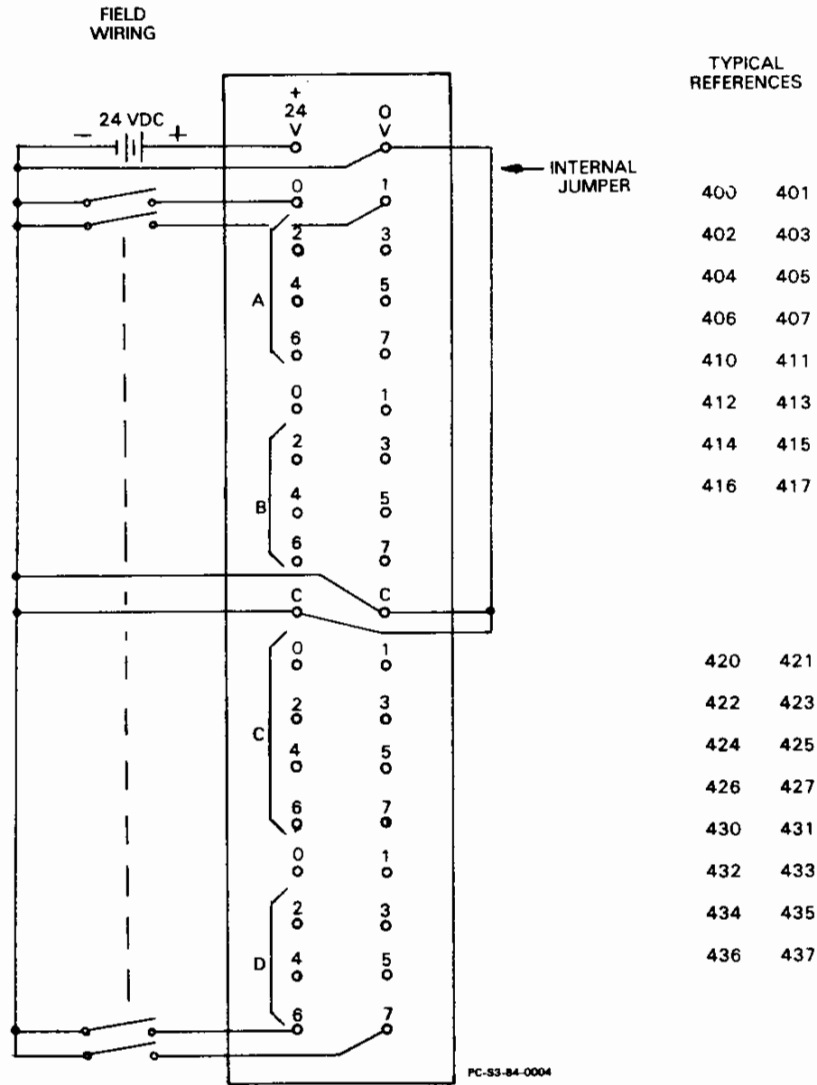


Figure 6.8
24 VDC INPUT CONNECTIONS