Series Three GEK-25376

24 VDC INPUT/OUTPUT (16 INPUTS/16 OUTPUTS) IC630MDL304A

This module provides a dual function in that it provides 16 input circuits and 16 output circuits on one module. The 16 input circuits are each designed to receive a single discrete (ON/OFF) signal from user supplied devices and the 16 output circuits are each capable of controlling user supplied discrete (ON/OFF) loads. Typical input devices include limit switches, pushbuttons, and relay contacts. Typical loads include motor starters, relay coils, and indicator lights. A 24 Vdc power supply must be provided by the user. This supply provides the power to sense the state of the inputs and also provides the DC power source for the output circuits.

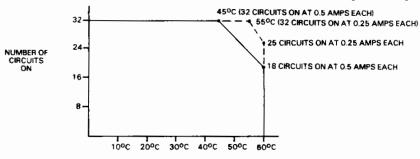
The 16 input circuits and 16 output circuits are connected to the appropriate input devices or user loads through field wiring to a 36 screw-terminal connector mounted on the faceplate. Input and output terminals are each arranged in two groups with eight terminals in each group, numbered 0 to 7. The top 16 terminals are for inputs, the lower 16 terminals are for outputs. Each terminal will accept one No. 12 AWG or two No. 14 AWG wires.

When installed in an I/O slot, a 32 point I/O module uses 32 consecutive I/O references, i.e. the 16 references assigned to that slot and the next 16 references. A 32 point I/O module in slot 1 would use references 00-37. In this case, an I/O module installed in slot 2 would have a starting reference number of 40. If an 8-slot base was filled with 32 point I/O modules, that base would contain 256 I/O points (references 000-377, if first base unit).

Specifications for each of the 16 input and 16 output circuits are as follows.

t 0.5 amp p, Typical 0.8 Vdc @ 0.5 amp t, Maximum 100 μA 45 Vdc onse 100 μs onse 100 μs
ing Capacity 24 Vdc @ 0.5 amp 5 amp (In output common line, 1 for each 8 circuits)
ON) Excluding loads

Figure 6.12 provides wiring information for the 24 Vdc Input/Output module.



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

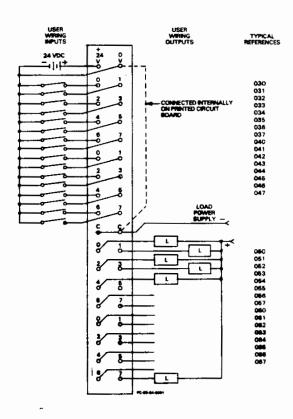


Figure 6.12 24 VDC INPUT/OUTPUT USER CONNECTIONS