

24 V dc Source Output IC610MDL155

This module provides eight 24 V dc source output circuits, each capable of controlling user supplied discrete (ON/OFF) loads. Each circuit is rated at 0.5 amps continuous current. Typical loads that can be controlled by this module are motor starters, relay coils, solenoid valves, and indicator lights. The output switching circuits on the module are arranged in 2 groups with 4 circuits in each group. Each group of 4 output circuits is protected by a 3 amp fuse. All 8 circuits should be referenced to a single source of dc power. Field connections are made to screw terminals on a terminal block mounted on the module's faceplate. Each terminal will accept up to one No. 12 AWG wire or two No. 14 AWG wires. The operating state, either ON or OFF, is indicated by a corresponding LED viewed on the module's faceplate. Following are specifications for each of the 8 circuits.

Output Points	8
Operating Voltage	5 to 24 V dc
Peak Voltage	40 V dc
ON Voltage Drop	1.0 V @ 0.5 amp 0.75 V @ 0.1 amp
Maximum Current*	0.5 amps
Maximum Leakage Current	0.1 mA at 24 V dc
Smallest Recommended Load	1.0 mA
OFF to ON Response	100 μ sec
ON to OFF Response	100 μ secs
Circuit Indicator	Logic Side
Fuses (Internal)	(2) 3 amp (in output common line, one for each group of 4 circuits)
Internal Power Consumption	30 mA maximum @ 9 V dc, Supplied by rack power supply
Units of Load	3 Units @ 9 V dc
Weight	4.2 oz (120 g)

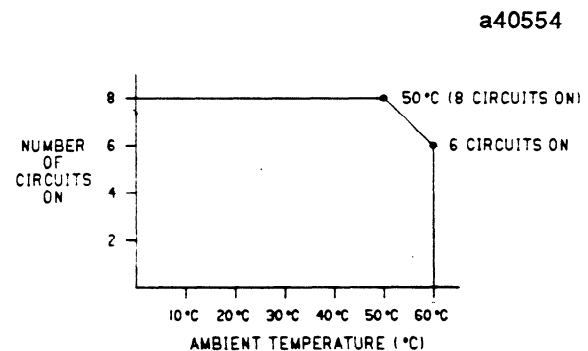


Figure 6-30. I/O Points vs Temperature Chart

*Maximum load current is dependent on ambient temperature as shown in figure 6.30.

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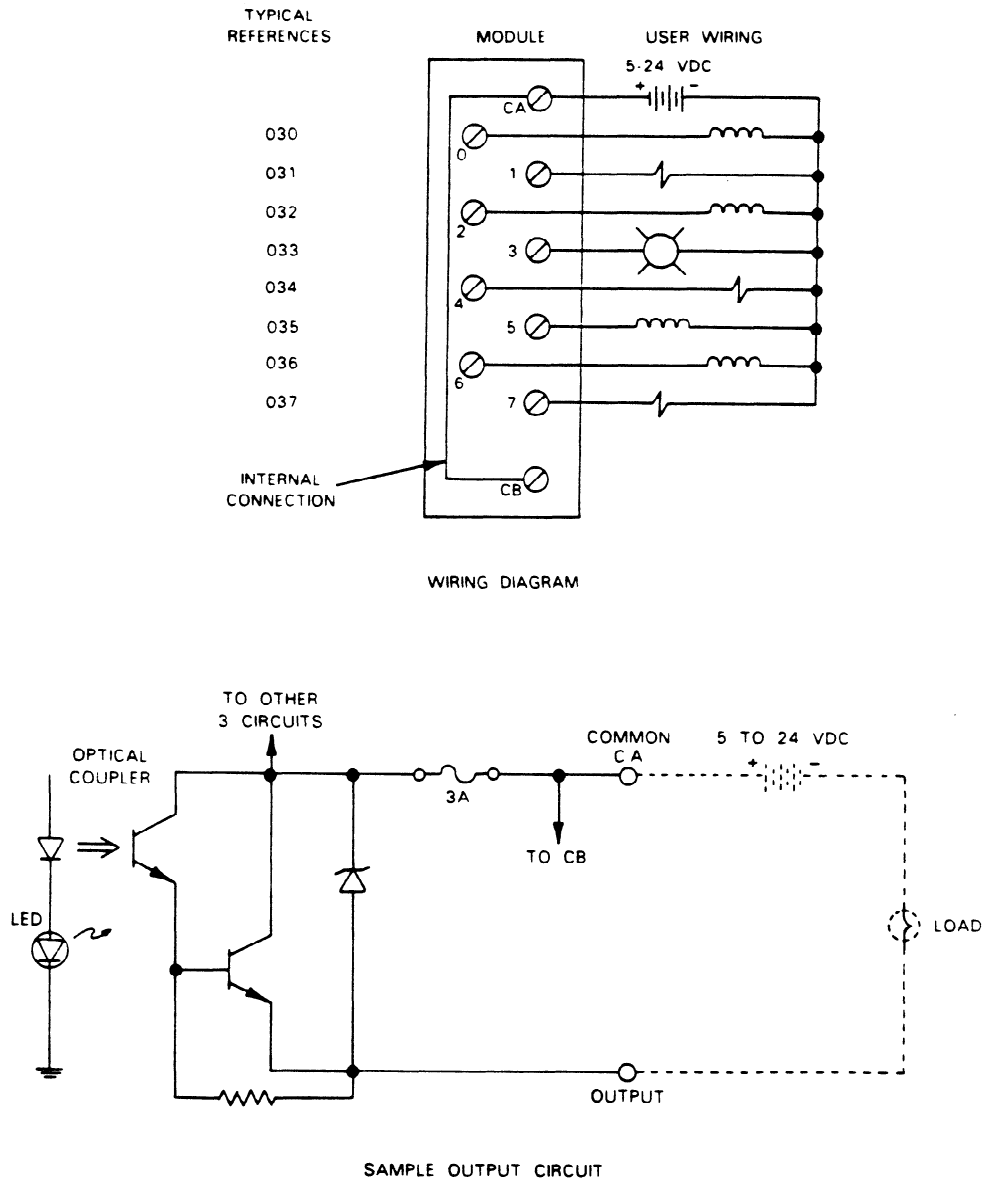


Figure 6-31. Wiring for 24 V dc Source Outputs