

**IC693MDL930**

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### IC693MDL930 Output Module Field Wiring Information

The following figure provides wiring information for connecting user supplied load devices and power source to the 4 amp Relay Output module.

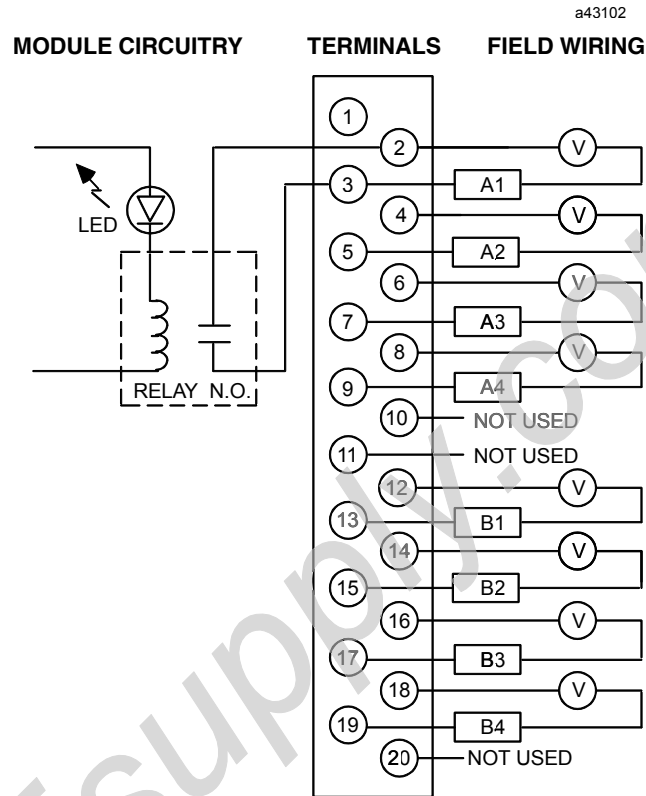


Figure 7-28. IC693MDL930 Output Module Field Wiring

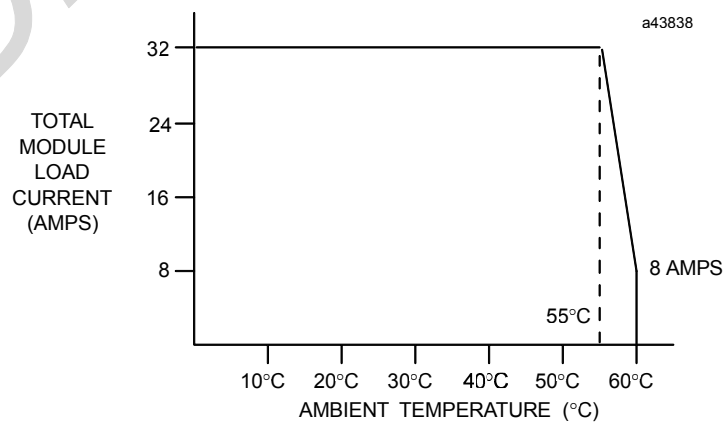


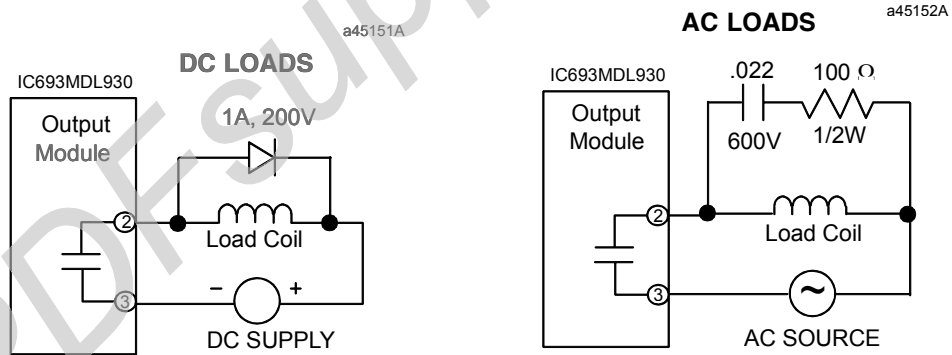
Figure 7-29. Load Current vs. Temperature for IC693MDL930

**Table 7-16. Load Current Limitations for IC693MDL930**

Operating Voltage	Maximum Current for Load Type		Typical Contact Life (number of Operations)
	Resistive	Lamp or Solenoid †	
24 to 120 VAC	4 amps	2 amps	150,000
24 to 120 VAC	1 amp	.5 amps	500,000
24 to 120 VAC	.1 amps	.05 amps	1,000,000
240 VAC	4 amps	2 amps	50,000
240 VAC	.1 amps	.05 amps	500,000
240 VAC	1 amp	.5 amps	200,000
24 VDC	-	3 amps	50,000
24 VDC	4 amps	2 amps	100,000
24 VDC	1 amp	.5 amps	500,000
24 VDC	.1 amps	.05 amps	1,000,000
125 VDC	.2 amps	.1 amps	300,000

† Assumes a 7 ms time constant

Relay contact life, when switching inductive loads, will approach resistive load contact life if suppression circuits are used. The following figures are examples of typical suppression circuits for AC and DC loads. The 1A, 200V diode shown in the DC load typical suppression example is an industry standard 1N4935. The resistor and capacitor shown for AC load suppression are standard components, available from most electronics distributors.



**Figure 7-30. Load Suppression Examples for IC693MDL930 Output Module**