



High Current, Isolated Relay Output Module

Product Specifications and Installation Data

Speciality I/O for GE Fanuc Series 90™-30 PLCs

The Horner APG High Current, Isolated Relay Output Module (HE693RLY110) provides eight high-current (8A) relay outputs for use with the GE Fanuc Series 90™-30 Programmable Logic Controller. Each output is fused and is completely isolated from the others, and can handle AC (12V-250V, 47-63 Hz) or DC (12V-30V) loads. Because the outputs are dry contacts, a mixture of voltage types and levels can be used simultaneously. The outputs are also high current, up to 8A per circuit, or a total current of 50A per module. This combination of high current capability and circuit isolation gives a system designer maximum flexibility. *This module eliminates costly isolation relay and wiring cost, further adding to its desirability and cost justification.*

HARDWARE FEATURES

This design incorporates eight mechanical relays which allows for the isolation of each circuit. Each circuit is also individually fused for over current protection. User field wiring is made to a removable terminal strip on the module's face plate.

POWER REQUIREMENTS

The Isolated Relay Output Module is of low power CMOS design. The 5VDC and 24V DC power required to operate the module is supplied by the Series 90-30 Rack Power Supply. Power consumed by the module is 150mA at 24VDC, and 50mA @ 5VDC.

Features

- **Eight Discrete Output Points**
- **Complete Output Isolation**
- **High Current (8A) Capability**
- **Individually Fused Outputs**
- **AC or DC Operating Voltages**
- **No Leakage Current**
- **LED "On" Circuit Indication ***
- **Eliminates costly isolation relays and wiring**

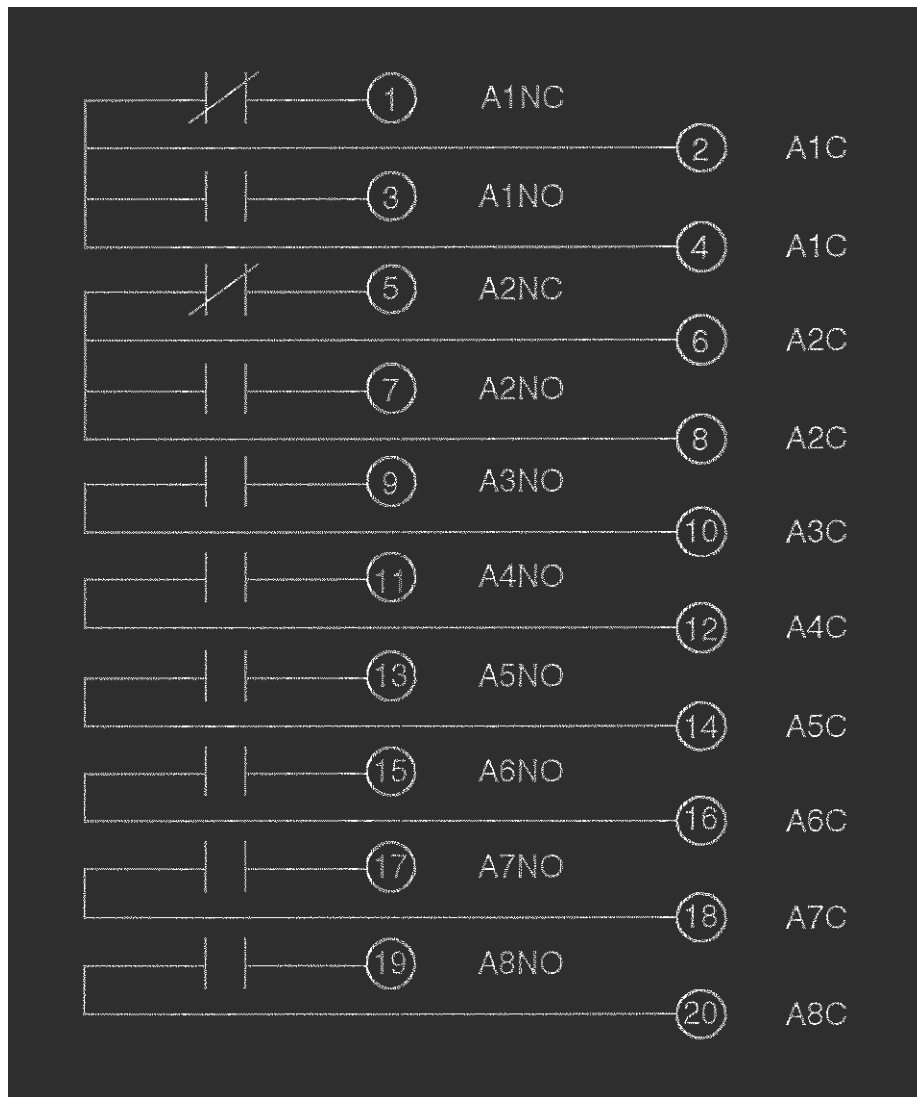
* LED present on rev A and B only.

GENERAL AND ELECTRICAL DIGITAL OUTPUT MODULE SPECIFICATIONS	
Number of Discrete Outputs	8 Isolated
I/O Points Required	8 - %Q points
Configuration Module Type Required	Generic Output 5/8 PT
Operating Voltage	12-265VAC, 12-30VDC
AC Frequency	47-63Hz
Maximum Current per Output	8A
Maximum Inrush (fuse rating)	200% for 10 Seconds
Maximum Total Current	50A
Minimum Recommended Current	10mA @ 12V
Fuses	8 (1 Each Circuit)
Operating Temperature	0 to 60 degrees C
Relative Humidity	5% to 95% (non-condensing)
Internal Power Consumption	50mA @ 5VDC, 150mA @ 24VDC
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Ratings and Electrical Life		
28Vdc	120Vac	240Vac
10A Resistive 75k operations	10A Resistive 75k operations	5A Resistive 75k operations
	8.5A Inductive 75k operations	
	¼ HP 50k operations	
These contact ratings are supplied to provide an indication of expected contact life at various currents and voltages. Even though these contact specifications list currents in excess of 8A, the maximum per point current rating is still 8A.		

Following is the part number for the **High-Current, Isolated Relay Output Module** for the GE Fanuc Series 90-30 PLC: **HE693RLY110**, 8 point High-Current Relay Output Module

HE693RLY110 Terminal Wiring Diagram



FOR SALES INFORMATION CONTACT:

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Notes