



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 overcurrent protection. User field wiring is made to a removeable 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**

GENERAL AND ELECTRICAL DIGITAL OUTPUT MODULE SPECIFICATIONS	
Number of Discrete Outputs	8 Isolated
I/O Points Required	8 - %Q points
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

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

FOR SALES INFORMATION CONTACT:

Horner APG, LLC

640 North Sherman Drive
Indianapolis, IN 46201-3899

Telephone: (317) 916-4274
FAX: (317) 916-4287

For the location of your nearest
GE Fanuc Sales Representative
or authorized distributor contact;

GE Fanuc Automation North
America, Inc.
Information Center
P.O. Box 3053, Edison, NJ 08837
USA 1(800) 648-2001
Canada 1(800) 668-4640

All Specifications are subject to
change without notice.