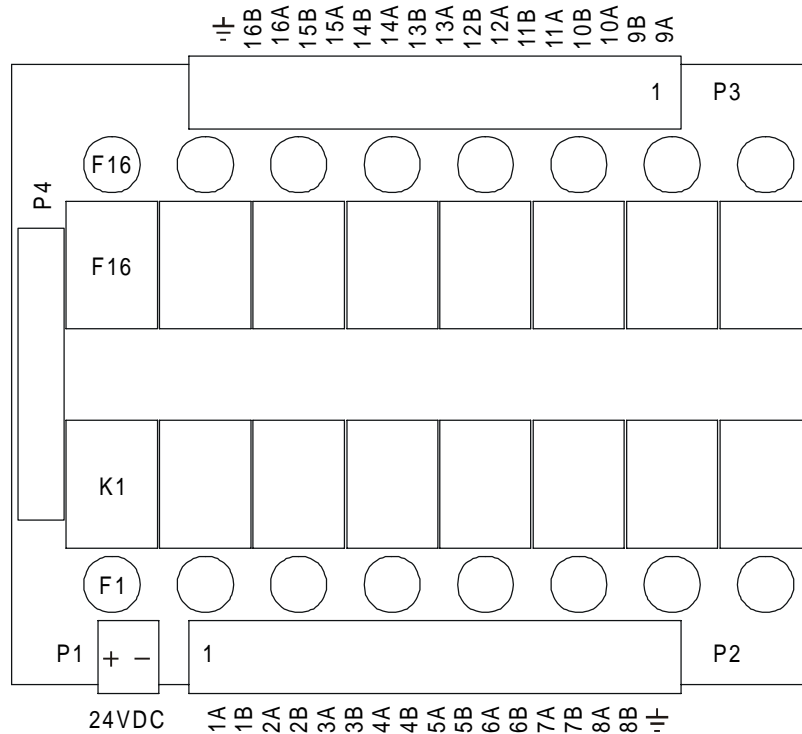


### 1 DESCRIPTION

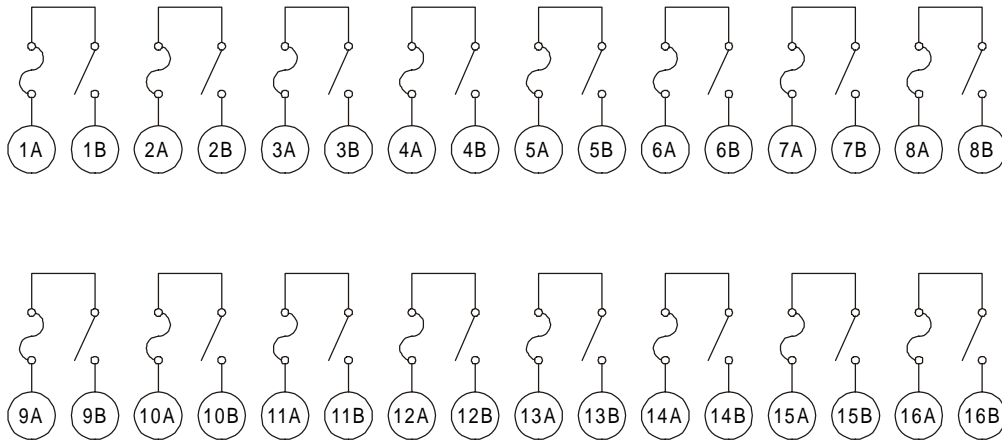
The HE690RLY160 is a discrete Relay Output Interface module that is DIN mountable. It provides sixteen isolated relay outputs allowing the flexibility of mixing voltage levels with a maximum of 250VAC or 30VDC. All sixteen relays are Form A (Normally Open contacts only). The HE690RLY160 is used in conjunction with the GE Fanuc IC693MDL752, which is a 32-point TTL output module with two 16-point output ports, AB, and CD. The IC693MDL752 is capable of driving two of the HE690RLY160 modules, giving the ability to control 32 separate channels. When a discrete output (%Q) is set HI (1) in the TTL output module the corresponding channel on the Relay Output Interface Module is switched.

An HE693TRM526 cable is needed for linking each 16-channel Output Interface Module to the GE Fanuc TTL output module. No configuration is necessary for the HE690RLY160, but the GE Fanuc IC693MDL752 must be fully configured in the 90-30 rack. Please see the GE Fanuc IC693MDL752 manual for configuration instructions

### 2 WIRING



**Figure 1 - RLY160 Module**



**Figure 2 - Internal Wiring**

### 3 SPECIFICATIONS

<b>Table 1 - Specifications for the HE690RLY160</b>			
<b>Specification</b>	<b>Module</b>	<b>Specification</b>	<b>RELAY</b>
Number of discrete outputs	16	Maximum AC Voltage	250VAC
Power Consumption	400mA@24VDC with all relays ON	Maximum DC Voltage	30VDC
Maximum Current per Output	5A	Mechanical Life	10,000,000 Operations
Maximum Total Module Current	50A	Electrical Life	200,000 Operations @5A(AC or DC)
Operating Temperature	0 to 50°C	Maximum Operating Speed	20 cps (DC), 5 cps (AC)
Relative Humidity	5% to 95% (non-condensing)	Release Time (excluding bounce)	5 msec (DC), 20 msec (AC)