GE Fanuc Automation

Programmable Control Products

Series 90™-30 PLC
I/O Module Specifications

GFK-0898F *July 2000*

AC/DC Input Power Supplies

IC693PWR321 Standard Power Supply, 120/240 VAC or 125 VDC Input

The IC693PWR321 is a 30 watt supply that can operate from an input voltage source in the range of 85 to 264 VAC or 100 to 300 VDC. This power supply provides three outputs:

- +5 VDC output,
- +24 VDC "Relay" power output which provides power to circuits on Series 90-30 Output Relay modules.
- "Isolated" +24 VDC, which is used internally by some modules, can also be used to provide external power for 24 VDC Input modules.

The load capacity for each output of this power supply is shown in the following table.

Table 4-2. IC693PWR321 Power Supply Capacities

Catalog Number	Load Capacity	Nominal Input	Output Capacities (Voltage/Power †)		
IC693PWR321	30 Watts	100 to 240 VAC or 125 VDC	+5 VDC 15 watts	+24 VDC Isolated 20 watts	+24 VDC Relay 15 watts

† Total of all outputs combined cannot exceed 30 watts.

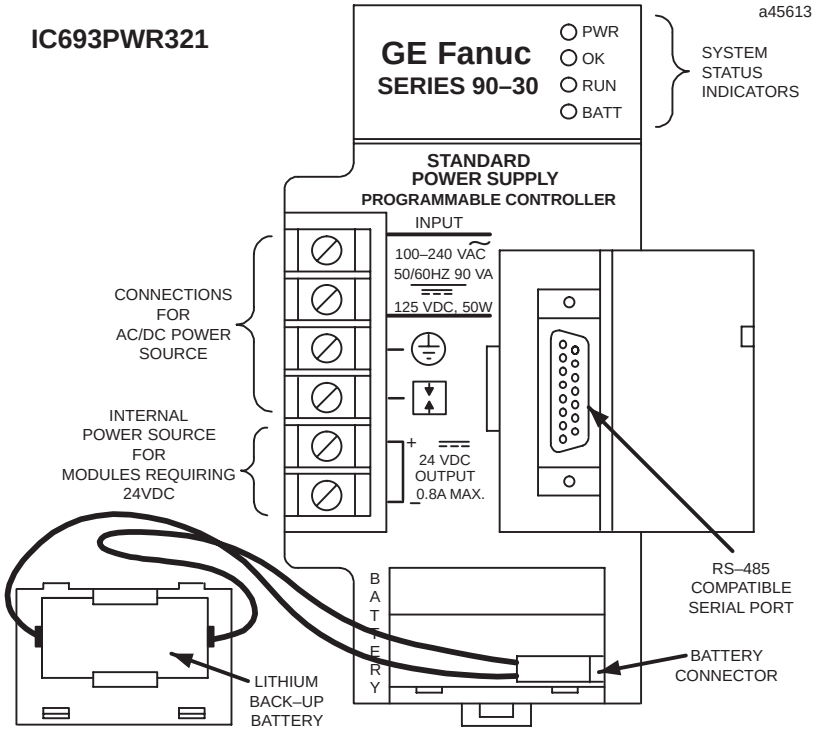

Figure 4-1. Standard AC/DC Input Power Supply - IC693PWR321

Power supplies must be installed in the leftmost slot in all baseplates.

Note

Previous versions of this power supply had five terminals on the terminal block. The new version (shown above), which has six terminals, is functionally the same as the previous version. The change was made to conform to European EC requirements.

Table 4-3. Specifications for IC693PWR321 Standard AC/DC Input Power Supply

Nominal Rated Voltage **Input Voltage Range** **AC** **DC**	120/240 VAC or 125 VDC 85 to 264 VAC 100 to 300 VDC
Input Power (Maximum with Full Load) **Inrush Current**	90 VA with VAC Input 50 W with VDC Input 4A peak, 250 milliseconds maximum
Output Power	5 VDC and 24 VDC Relay: 15 watts maximum 24 VDC Relay: 15 watts maximum 24 VDC Isolated: 20 watts maximum ***NOTE:*** *30 watts maximum total (all three outputs)*
Output Voltage	5 VDC: 5.0 VDC to 5.2 VDC (5.1 VDC nominal) Relay 24 VDC: 24 to 28 VDC Isolated 24 VDC: 21.5 VDC to 28 VDC
Protective Limits **Overvoltage:** **Overcurrent:**	 5 VDC output: 6.4 to 7 V 5 VDC output: 4 A maximum
Holdup Time:	20 milliseconds minimum