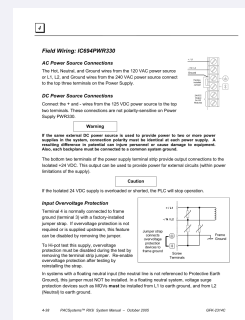


FIELD INSTALLATION QUICK GUIDE

Installation Instructions

IC694PWR330A

AC/DC high-capacity power supply



PRODUCT	IC694PWR330A
FAMILY	PACSystems RX3i power supplies
FUNCTION	AC/DC high-capacity power supply
STATUS	Verify exact installed equipment

Prepared by Amikon Limited from GE PACSystems RX3i documentation. This guide supplements the complete manufacturer manual and site procedure.

01

CONFIRM THE ORDERED CONFIGURATION

Nominal Input	120/240 V AC or 125 V DC
AC Input Range	85 to 264 V AC
DC Input Range	100 to 300 V DC
Total Output	30 W
+5 V Output	30 W maximum
+24 V Relay Output	15 W maximum

02

PREPARATION AND CONNECTION

- Confirm the complete IC694PWR330A article number and installed revision.
- Isolate applicable electrical and process energy using the approved site procedure.
- Record every connector, cable, terminal, shield and protective-earth connection before removal.
- Install without forcing keyed parts, then secure terminals, latches, fasteners and cable supports.

4

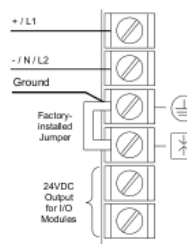
Field Wiring: IC694PWR330

AC Power Source Connections

The Hot, Neutral, and Ground wires from the 120 VAC power source or L1, L2, and Ground wires from the 240 VAC power source connect to the top three terminals on the Power Supply.

DC Power Source Connections

Connect the + and - wires from the 125 VDC power source to the top two terminals. These connections are not polarity-sensitive on Power Supply PWR330.



Warning

If the same external DC power source is used to provide power to two or more power supplies in the system, connection polarity must be identical at each power supply. A resulting difference in potential can injure personnel or cause damage to equipment. Also, each backplane must be connected to a common system ground.

The bottom two terminals of the power supply terminal strip provide output connections to the Isolated +24 VDC. This output can be used to provide power for external circuits (within power limitations of the supply).

Caution

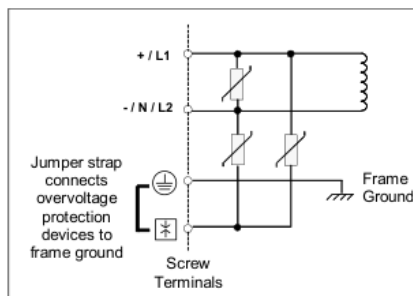
If the Isolated 24 VDC supply is overloaded or shorted, the PLC will stop operation.

Input Overvoltage Protection

Terminal 4 is normally connected to frame ground (terminal 3) with a factory-installed jumper strap. If overvoltage protection is not required or is supplied upstream, this feature can be disabled by removing the jumper.

To Hi-pot test this supply, overvoltage protection must be disabled during the test by removing the terminal strip jumper. Re-enable overvoltage protection after testing by reinstalling the strap.

In systems with a floating neutral input (the neutral line is not referenced to Protective Earth Ground), this jumper must NOT be installed. In a floating neutral system, voltage surge protection devices such as MOVs **must** be installed from L1 to earth ground, and from L2 (Neutral) to earth ground.



04 COMMISSIONING CHECKS

- 01 Confirm product identity and mechanical seating.
- 02 Verify the documented supply before energising.
- 03 Inspect polarity, shielding and protective-earth connections.
- 04 Restore power in the approved sequence and observe status indications.
- 05 Test each connected input, output or communication path.
- 06 Record diagnostics and functional-test results before return to service.

05 CONTROLLED DOCUMENT

Official source	GE official manufacturer documentation
Product record	IC694PWR330A
Manufacturer	GE PACSystems RX3i
Warranty	12 months from AMIKON
Support	INFO@AMIKON.CN

AMIKON PRODUCT SUPPORT

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