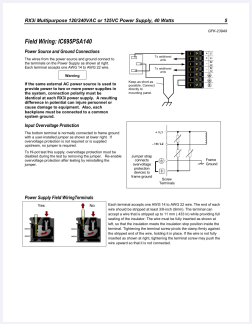
FIELD INSTALLATION QUICK GUIDE

Installation Instructions

IC695PSA140J

40 W AC power supply



PRODUCT	IC695PSA140J
FAMILY	PACSystems RX3i power supplies
FUNCTION	40 W AC 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
Input Range	85 to 264 V AC
Input Frequency	47 to 63 Hz
Load Capacity	40 W
Output Voltages	5.1 V DC and 3.3 V DC
Input Power	100 VA maximum

02 PREPARATION AND CONNECTION

- Confirm the complete IC695PSA140J 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.

03

OFFICIAL INSTALLATION REFERENCE

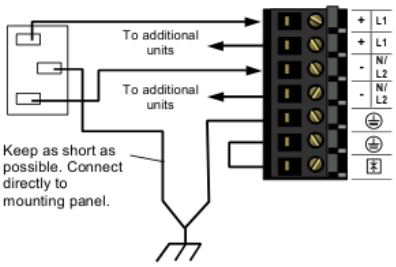
Field Wiring: IC695PSA140

Power Source and Ground Connections

The wires from the power source and ground connect to the terminals on the Power Supply as shown at right. Each terminal accepts one AWG 14 to AWG 22 wire.

Warning

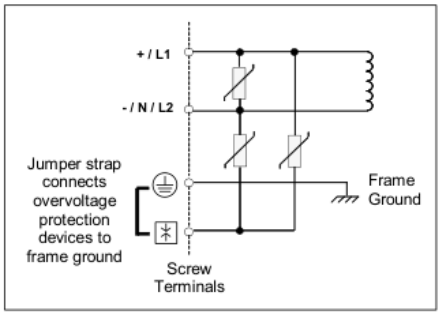
If the same external AC power source is used to provide power to two or more power supplies in the system, connection polarity must be identical at each RX3i power supply. A resulting difference in potential can injure personnel or cause damage to equipment. Also, each backplane must be connected to a common system ground.



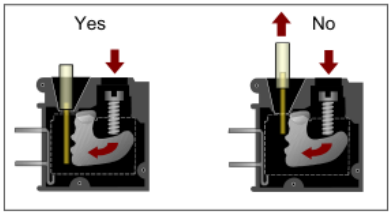
Input Overvoltage Protection

The bottom terminal is normally connected to frame ground with a user-installed jumper as shown at lower right. If overvoltage protection is not required or is supplied upstream, no jumper is required.

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



Power Supply Field WiringTerminals



Each terminal accepts one AWG 14 to AWG 22 wire. The end of each wire should be stripped at least 3/8-inch (9mm). The terminal can accept a wire that is stripped up to 11 mm (.433 in) while providing full seating of the insulator. The wire must be fully inserted as shown at left, so that the insulation meets the insulation stop position inside the terminal. Tightening the terminal screw pivots the clamp firmly against the stripped end of the wire, holding it in place. If the wire is not fully inserted as shown at right, tightening the terminal screw may push the wire upward so that it is not connected.

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	IC695PSA140J
Manufacturer	GE PACSystems RX3i
Warranty	12 months from AMIKON
Support	INFO@AMIKON.CN

AMIKON PRODUCT SUPPORT

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