

AMIKON TECHNICAL DOCUMENTATION

Installation Instructions

ICS Triplex T8290C

Trusted output power distributor

CAPACITY	LOAD LIMIT	FEEDS	REFERENCE
Up to 3 modules	60 A total	Single or dual	Not load return

For qualified personnel only. This installation summary is not a substitute for the controlled manufacturer procedure, system safety plan or approved site isolation requirements.

01

BEFORE INSTALLATION

Identity and revision	Verify the full T8290C label, revision and intended output module types.
Voltage applicability	Resolve the RM260/PC002G voltage-range difference for actual hardware before applying power.
Feeds and total load	Check single or dual feed design and the shared 60 A maximum.
Reference and return	Keep the reference connection distinct from the field load return path.
Mounting and cables	Match TS32 or TS35 rail, approved output cables and the exact terminal arrangement.

02

PREPARATION AND BOUNDARIES

- Use qualified personnel and the approved isolation, hazardous-area and ESD procedures. The terminal layout does not authorize live connection or replacement.
- RM260 Issue 8 lists 22-120 Vdc; PC002G lists 18-140 Vdc. Confirm applicability to the supplied revision instead of assuming the broader range. Use the complete wiring figure and controlled cable documentation.

03
INSTALLATION AND COMMISSIONING

01	Record the full identity, revision, output module types and applicable manufacturer instructions before work.
02	Isolate the affected field supplies and outputs under the approved maintenance procedure.
03	Mount on the specified DIN rail and inspect studs, connectors and conductors for damage.
04	Verify the positive feeds, total connected load, reference connections and separate field return route.
05	Resolve the voltage applicability and confirm that the intended circuit does not require the T8297 diode-protected design.
06	Restore service under the approved plan and verify field supply, reference integrity and intended output operation.

04
SAFETY AND FINAL CHECKS

- The two supply studs do not create two independent 60 A output capacities. Keep the combined load within the unit rating and the individual module and cable limits.
- Do not carry field load return current through the reference terminals. New analogue-output or VFTA-reference designs require the manufacturer T8297 selection guidance.

05
OFFICIAL PROCEDURE

PD-T8290 Issue 8 | Output Power Distribution Unit

PDF p. 1: role and T8297 distinction; pp. 11-13: wiring and mounting; p. 19: ratings. PC002G pp. 4, 6: rating difference and C suffix.

PC002G product information - rating and C-suffix scope, PDF pp. 4 and 6

Independent Amikon reference, not an OEM manual. Use the complete manufacturer instructions matching the actual hardware and firmware. No manufacturer pages are reproduced.

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ORIGINAL REFERENCE SCHEMATICS

ICS Triplex T8290C | Documented installation context

Original Amikon illustration based on the linked OEM pages. Logical arrangement only; not to scale and not an electrical wiring or manufacturer installation drawing.

A | EQUIPMENT ARRANGEMENT



The positive supply and module zero-volt reference are distributed separately. Load return follows the FTA or field terminal, not the reference connection.

Check the shared 60 A rating and actual hardware voltage scope. This logical diagram is not a pinout or permission to replace the unit with T8297.

B | CONFIGURATION BOUNDARY

Retain the complete T8290C identity and installed hardware revision. Resolve the documented voltage-range difference, check the shared 60 A limit and verify the separate load-return path. T8297 is a different diode-protected arrangement, not an automatic substitute.

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ORIGINAL MANUFACTURER DRAWING AND PROCEDURE LINKS

- Unit layout and wiring figure - PDF page 11
- Supply and reference operating description - PDF page 12
- Legacy specification table - compare PC002G - PDF page 19

If the viewer ignores the page target, enter the stated PDF page manually. Retain the full manufacturer warnings and approved maintenance plan; this reference does not authorize live work.