

AMIKON TECHNICAL DOCUMENTATION

Installation Instructions

ICS Triplex T8230

Trusted rack power shelf

FORMAT	PACK POSITIONS	TOTAL CAPACITY	N+1 CAPACITY
19-inch / 1U	Up to three	Up to 2250 W	Up to 1500 W

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 safety advisory	Confirm T8230 and check the serial date code against PSA 2014-08-003 before release.
Mechanical support	Use the documented 19-inch mounting and 4U support brackets; provide the specified rear support.
Capacity and load	Check the fitted pack ratings, approved load and N+1 requirement; do not treat the empty shelf as a power source.
Mains and DC wiring	Match retained IEC 60320 inputs and the original terminal/busbar drawing. Use the manufacturer wiring instructions.
Monitoring and sharing	Check the Power Port supply, alarm connections and TC-323 arrangement. Do not bridge separate A/B busbars.

02

PREPARATION AND BOUNDARIES

- Qualified personnel must check PSA 2014-08-003 before installation or replacement. Potentially affected shelves require manufacturer remediation; the advisory identifies no workaround. Use the complete isolation and maintenance procedure.
- Record the installed power-pack positions, output selection, grounding and alarm wiring before replacement. The drawing below is a logical reference, not a wiring diagram.

03
INSTALLATION AND COMMISSIONING

01	Record shelf identity and date code. Resolve applicability of PSA 2014-08-003 before proceeding, then confirm the load and redundancy requirement.
02	Apply the controlled isolation procedure before disturbing shelf mounting or power connections.
03	Mount the shelf using the documented bracket assembly, front lugs and rear support points. Use the original installation drawing.
04	Match the retained mains connectors and DC terminal blocks to the approved drawing; inspect connections and grounding.
05	Reconnect the Power Port and permitted TC-323 interconnects. Tie back unused ribbon connectors and cover unused pack positions.
06	Restore the approved power-pack configuration and verify output, alarms, loading and current sharing before release.

04
SAFETY AND FINAL CHECKS

- PSA 2014-08-003 concerns possible internal 24V-to-0V busbar contact in shelves with date codes 1329-1401. No workaround is identified; follow manufacturer remediation guidance.
- TC-323 must not connect separate A/B supplies or shelves feeding separate busbars. Incorrect sharing connections can damage packs and sensing circuits.

05
OFFICIAL PROCEDURE

PD-T823X Issue 11 | Trusted Power System

PDF p. 11: T8230 identity; pp. 13-19: mounting and connections; p. 37: blanking cover; p. 39: interconnect; p. 41: system specifications.

Product Safety Advisory 2014-08-003 | Check shelf date code

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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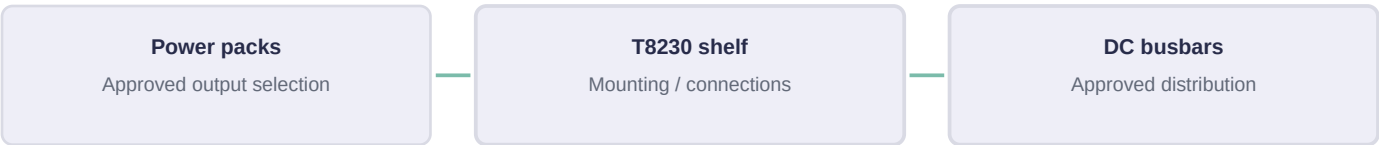
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ORIGINAL REFERENCE SCHEMATICS

ICS Triplex T8230 | 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 shelf accommodates up to three packs. The populated arrangement determines total capacity and N+1 capacity.

Rear support brackets, mains retention, DC terminals and diagnostic wiring must match the original installation drawings.

B | CONFIGURATION BOUNDARY

Match the complete shelf, support brackets, power-pack output selection, Power Port and approved busbar arrangement. A similar rack dimension is not proof of an interchangeable power assembly. Check PSA 2014-08-003 and the shelf date code before release.

07

ORIGINAL MANUFACTURER DRAWING AND PROCEDURE LINKS

[Shelf support and mains retention - PDF page 13](#)

[Shelf outline and input connectors - PDF page 15](#)

[Output and interface connection tables - PDF page 16](#)

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.