

AMIKON TECHNICAL DOCUMENTATION

Installation Instructions

ICS Triplex T8240

Trusted power distribution shelf

RACK 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 T8240 and check the shelf serial date code against PSA 2014-08-003.
Mounting and support	Match the 19-inch rack and T8247 support-bracket drawing; confirm front and rear support.
Packs and capacity	Verify the fitted pack voltage, approved load and redundant capacity. An empty shelf has no conversion output.
Mains and output wiring	Use the retained IEC inputs and approved DC terminal drawing. The manual specifies ring connections to the busbars.
Power Port and sharing	Confirm the Power Port supply, alarm wiring and address jumpers. TC-323 must not join separate A/B busbars.

02

PREPARATION AND BOUNDARIES

- Qualified personnel must resolve PSA 2014-08-003 applicability before work. Potentially affected shelves require manufacturer remediation; no workaround is identified. Follow the complete isolation and maintenance procedure.
- Record fitted pack positions, output selection, support arrangement, grounding and Power Port connections. Use the original drawings; the summary schematic is not a wiring diagram.

03
INSTALLATION AND COMMISSIONING

01	Record shelf identity and serial date code. Resolve the safety advisory, supplied accessories and approved redundancy requirement.
02	Apply the approved isolation procedure before disturbing shelf mounting, mains connections or DC busbars.
03	Fit the documented support brackets and shelf mounting points using the manufacturer assembly drawing; do not rely only on front fixings.
04	Check retained mains connectors, DC terminal blocks and grounding against the controlled wiring drawing before energising.
05	Verify Power Port supply, alarm connections, addresses and permitted TC-323 links. Secure unused ribbon connectors and cover spare pack positions.
06	Use the controlled power-up sequence for the installed controller arrangement. Check output, alarms, load and current sharing before release.

04
SAFETY AND FINAL CHECKS

- PSA 2014-08-003 identifies possible internal busbar shorting in shelves with date codes 1329-1401. No workaround is identified; follow manufacturer remediation guidance.
- TC-323 must not bridge separate A/B supplies or separate busbars. At less than 2 A per pack, current sharing and PWR OK indication may be affected.

05
OFFICIAL PROCEDURE

PD-T824X Issue 11 | Trusted Power System

PDF p. 11: T8240 identity and catalogue scope; pp. 13-19: shelf connections and mounting; pp. 27-32: Power Port; p. 39: interconnect; p. 41: environment.

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.

AMIKON PRODUCT SUPPORT

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ORIGINAL REFERENCE SCHEMATICS

ICS Triplex T8240 | 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



Up to three packs fit the shelf. DC terminal blocks connect the approved distribution busbars; the populated arrangement determines output capacity.

The Power Port provides diagnostic connections. Verify its supply and addresses; current-sharing links must not bridge separate busbars.

B | CONFIGURATION BOUNDARY

Match the T8240 identity, actual Power Port, support brackets, fitted packs and approved busbars. Check the shelf date code against PSA 2014-08-003; rack dimensions alone do not establish replacement compatibility.

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ORIGINAL MANUFACTURER DRAWING AND PROCEDURE LINKS

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

[Stacked shelf mounting assembly - PDF page 19](#)

[Power Port and diagnostic connection context - PDF page 27](#)

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.