AMIKON TECHNICAL DOCUMENTATION

Installation Instructions

ICS Triplex T8231C

Trusted 24V power pack

OUTPUT	CAPACITY	CURRENT	INPUT
24 V DC	**750 W**	**31.25 A**	**90-264 V AC**

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

Exact identity	Confirm T8231C, the nominal 24 Vdc output and actual hardware label.
Shelf and load	Use the documented T8230 shelf and verify the installed load and remaining redundant capacity.
Input and distribution	Match the AC supply, retained shelf mains connection and approved DC busbar drawing.
Thermal conditions	Maintain cooling and apply the manufacturer derating above 45 degrees C.
Current sharing	Match the TC-323 arrangement; do not interconnect separate A/B supplies or separate busbars.

02 PREPARATION AND BOUNDARIES

- Qualified personnel must use the approved power-maintenance and isolation procedure. Hot replacement is a documented feature, not blanket permission for live work.
- Check the output voltage and remaining capacity before removal. Use the original staged insertion drawing and front indicators.

03 INSTALLATION AND COMMISSIONING

01	Record the exact pack identity, output voltage, fitted shelf arrangement and approved redundancy requirement.
02	Confirm load and thermal conditions permit the planned maintenance. Follow the controlled procedure for the front retaining latch.
03	Insert the replacement slowly and smoothly into the intended shelf position.
04	At initial pin engagement, confirm the AC OK indication as specified by the manufacturer.
05	Push fully home and check PWR OK under the documented load conditions. Secure the retaining latch.
06	Verify output, alarm status and current sharing before release. Keep separate A/B busbars electrically separated as designed.

04 SAFETY AND FINAL CHECKS

- At less than 2 A load per pack, current sharing may not work correctly and PWR OK may not illuminate; interpret the indicator with the documented load condition.
- A fan fault can produce an amber PWR OK indication. The two manufacturer manuals differ on output behavior; use the matching fault table and approved maintenance procedure.

05 OFFICIAL PROCEDURE

PD-T823X Issue 11 | Trusted Power System

PDF p. 11: model selection; pp. 21-26: power-pack specifications; p. 28: replacement; pp. 13-16: shelf connections.

RN007A - explicit T8231 / T8231C pairing, PDF page 5

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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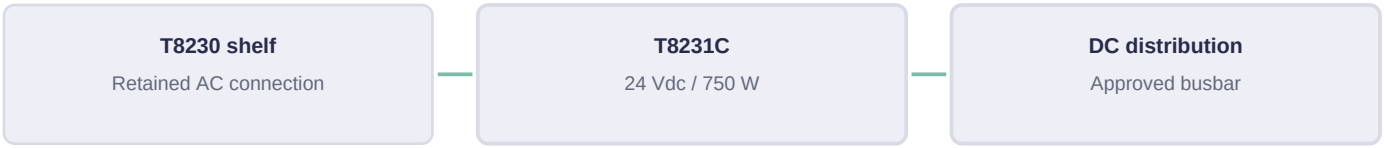
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06 ORIGINAL REFERENCE SCHEMATICS

ICS Triplex T8231C | 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 power pack fits the supported shelf. Confirm initial AC OK indication, then full seating and PWR OK under the documented load condition.

Current-sharing interconnects must not bridge separate A/B supplies or separate busbars. This is not an electrical wiring diagram.

B | CONFIGURATION BOUNDARY

Match the nominal 24 Vdc output, shelf, input supply, configured load and cooling conditions. Do not substitute the other voltage variant on the basis of a similar housing.

07 ORIGINAL MANUFACTURER DRAWING AND PROCEDURE LINKS

Shelf mains and output connection arrangement - PDF page 13

Power pack outline and latch - PDF page 21

Staged power-pack replacement - PDF page 28

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.