

AMIKON TECHNICAL DOCUMENTATION

Installation Instructions

ICS Triplex T8243

Trusted power diagnostic interface

ROLE	SUPPLY	ALARMS	CONNECTOR
Power Port	External 24 Vdc	Volt-free contacts	10-way CON3

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 T8243 Power Port and the documented T8240 shelf; distinguish the interface from a power pack.
Mounting and connectors	Match CON1 to the shelf and CON2 to the approved extension; retain using the documented D-sub jack screws.
External supply	Provide 24 V with a 500 mA F-rated source fuse. CON3 pin 1 is +24 V; pin 6 is the return.
Alarm circuits	Match the full CON3 table, fitted pack positions and contact loads. The schematic is not a pinout.
Addressing and sharing	Record J1/J2 and the approved interconnect. Do not join separate A/B supplies or separate busbars.

02

PREPARATION AND BOUNDARIES

- Qualified personnel must follow the complete isolation, hazardous-area and site maintenance requirements. The pack hot-replacement procedure does not authorize live removal of the Power Port.
- Record external supply polarity, alarm circuits, fitted pack positions and address settings before disconnection. Do not dismantle the interface or touch exposed connector pins.

03
INSTALLATION AND COMMISSIONING

01	Confirm interface and shelf identities, approved isolation conditions, alarm destinations and any relevant host-shelf safety notices.
02	Compare the supplied interface with the original outline and connector orientation. Reject damaged connectors; do not force mating.
03	Connect CON1 to the shelf and retain the interface using the documented D-sub jack screws. Do not infer a tightening torque.
04	Connect the external supply and alarm wiring using the complete CON3 table and controlled site drawing. Check the source fuse and contact loads.
05	Set J1/J2 to the approved shelf address and connect only the documented controller or permitted current-sharing arrangement.
06	Restore power through the controlled procedure. Verify the supply, healthy contact states and approved alarm tests before returning the arrangement to service.

04
SAFETY AND FINAL CHECKS

- A closed contact is a diagnostic state, not proof that a circuit is safe to work on. The fault table distinguishes individual conditions; do not infer DC shutdown from every amber indication.
- Unused-position contact treatment must follow the approved pack-population and alarm design. Never bridge an active fault contact or bypass plant protection to obtain a healthy indication.

05
OFFICIAL PROCEDURE

PD-T824X Issue 11 | Trusted Power System

PDF p. 11: T8243 identity; pp. 27-28: role and outline; pp. 29-32: supply, alarms, addressing and connectors; p. 33: relay limits.

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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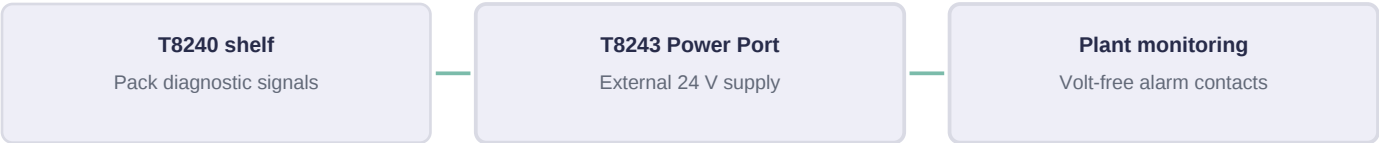
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ORIGINAL REFERENCE SCHEMATICS

ICS Triplex T8243 | 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



CON1 mates with the shelf; CON2 extends the documented controller or current-sharing connection. CON3 carries the supply and alarm contacts.

Healthy fitted-pack contacts are closed. Match contact loads, alarm interpretation and shelf addresses to the full original tables.

B | CONFIGURATION BOUNDARY

Match the T8243 identity, T8240 shelf, connector orientation, external 24 V supply, contact loads and J1/J2 addresses. A matching D-sub connector alone does not establish compatibility or permission to interconnect separate busbars.

07

ORIGINAL MANUFACTURER DRAWING AND PROCEDURE LINKS

[Power Port outline and connector orientation - PDF page 28](#)

[Supply, alarm logic and fault conditions - PDF page 29](#)

[CON3 supply and alarm contact connections - PDF page 32](#)

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.