

AMIKON TECHNICAL DOCUMENTATION

Installation Instructions

ICS Triplex T8270

Trusted rack-mounted fan assembly

INPUT	FANS	RACK HEIGHT	PER-FAN FLOW
18-28 Vdc	Four	2U	69 m3/h

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 assembly	Confirm T8270 rack tray, not T8271 roof fan unit, and record the installed configuration.
Rack and airflow	Match the 2U position, airflow baffle and cabinet exhaust arrangement to the original drawing.
Feeds and protection	Verify both nominal 24 V feeds, supply polarity and the specified 250 mA anti-surge fan-pair fuses.
Cable connection	Use the documented TC-011-01 cable and full SKT1/SKT2 connection table; do not infer pin orientation.
Population and environment	Check the approved fan-chain population, operating temperature and unobstructed cabinet ventilation.

02

PREPARATION AND BOUNDARIES

- Use qualified personnel and the approved isolation and maintenance plan before disturbing fan wiring or the rack. Do not treat dual feeds as permission for live disconnection.
- Retain the original baffle and intended airflow arrangement. The reference identifies connections and checks, not an unverified fixing torque or an assembly-specific hot-swap procedure.

03
INSTALLATION AND COMMISSIONING

01	Record the complete tray identity, rack position, connected fan chain and approved shutdown or maintenance conditions.
02	Isolate the affected supply circuits under the site procedure before touching connectors, fuses or fan blades.
03	Match the 2U chassis and baffle arrangement to the original cabinet plan. Use the approved mounting method without guessing fixing torque.
04	Verify TC-011-01 connections and both supply feeds against the full SKT1/SKT2 table. Retain the specified fan-pair fuse protection.
05	Confirm the connected tray and roof-fan population remains within the documented distribution-unit arrangement.
06	Restore power through the approved procedure. Check all fans, intended airflow and cabinet ventilation before returning equipment to service.

04
SAFETY AND FINAL CHECKS

- The stated 69 m3/h is the capability of each fan at nominal speed. Do not multiply it into a guaranteed cabinet airflow or thermal-capacity rating.
- Do not bypass a failed fuse or fan, improvise polarity, or use a substitute fuse characteristic. Follow the controlled fault investigation and cabinet maintenance procedure.

05
OFFICIAL PROCEDURE

PD-T8270 Issue 11 | Trusted Rack-Mounted Fan Assembly

PDF p. 1: cooling role and per-fan noise; p. 11: arrangement and wiring figure; p. 12: supply, cable and airflow; p. 13: specifications.

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

+86-18020776786

INFO@AMIKON.CN

AMIKONG.COM

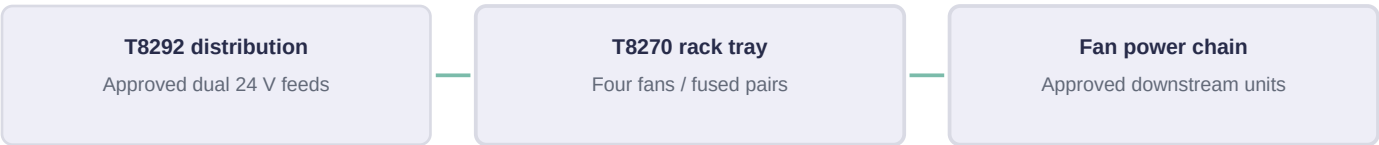
06

ORIGINAL REFERENCE SCHEMATICS

ICS Triplex T8270 | 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



TC-011-01 supplies and interconnects the fan equipment. SKT1 and SKT2 use the same service assignments; use the original table for wiring.

The tray exhausts toward the rear cabinet space. The overall rack design includes the required upper exhaust arrangement and airflow baffle.

B | CONFIGURATION BOUNDARY

Match T8270, the rack position, baffle arrangement, two supply feeds and TC-011-01 connections. Verify the approved fan population and cabinet exhaust path; neither a similar fan size nor the same supply voltage establishes assembly interchangeability.

07

ORIGINAL MANUFACTURER DRAWING AND PROCEDURE LINKS

[Fan tray arrangement and internal wiring figure - PDF page 11](#)

[Power connection figure and connector table - PDF page 12](#)

[Assembly specifications and environmental limits - PDF page 13](#)

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.