

AMIKON TECHNICAL DOCUMENTATION

Installation Instructions

ICS Triplex T8442

Trusted TMR speed monitor

MACHINES	INPUTS	MAX FREQUENCY	SPARE
Up to 3 groups	Triplicated speed	30000 Hz	Companion Slot

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	Record T8442, the actual hardware revision, serial number and applicable firmware.
Location and connections	Use the specified T8846 input FTA and T8891 output FTA with the TC-801 assembly. Do not connect field devices directly to the module.
Supply and load	Verify the 20-32 V DC backplane supply and specified 18-32 V DC field supply. Check the separate termination-assembly ratings.
Module condition	Reject housing damage or bent connectors. Use ESD precautions and do not remove the module housing.
Configuration	Verify the machine groups, speed sensors and approved protection settings. Only Companion Slot replacement is documented; SmartSlot is unavailable.

02

PREPARATION AND BOUNDARIES

- Use the complete manufacturer connection tables and the approved engineering drawings; this summary is not a pinout.
- Retain the qualified-personnel maintenance plan. Do not remove a module that still indicates ACTIVE.

03
INSTALLATION AND COMMISSIONING

01	Confirm exact identity, the intended slot and the approved isolation or changeover procedure before work.
02	Check that the correct cable assembly is seated. Open both module ejector tabs using the release key.
03	Guide the module into its designated position. Press the upper and lower fascia to seat it and lock both ejectors.
04	If resistance is abnormal, withdraw and inspect. Never force the module or straighten damaged connector pins.
05	Verify the machine groups, speed sensors and approved protection settings. Only Companion Slot replacement is documented; SmartSlot is unavailable.
06	Check module health and the intended operating state. Complete the approved commissioning checks before release.

04
SAFETY AND FINAL CHECKS

- Use the approved Companion Slot procedure and confirm the required state change. Never remove a module still showing ACTIVE. SmartSlot is not available.
- Retain the manufacturer proof-test and fault-response procedures. Do not change trip thresholds or bypass protection using this summary.

05
OFFICIAL PROCEDURE

ICSTT-RM276I-EN-P | PD-T8442 Issue 10

PDF pp. 1, 21-27: role and installation; p. 66: spare-slot restriction; pp. 69-71: ratings.

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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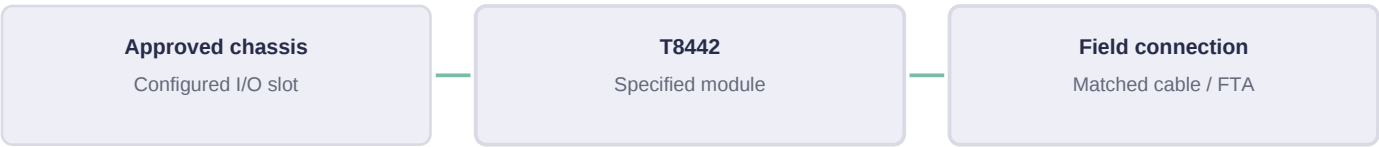
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06 ORIGINAL REFERENCE SCHEMATICS

ICS Triplex T8442 | 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.

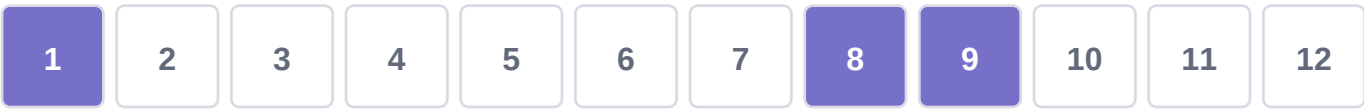
A | EQUIPMENT ARRANGEMENT



Use the specified T8846 input FTA and T8891 output FTA with the TC-801 assembly. Do not connect field devices directly to the module.

Verify the machine groups, speed sensors and approved protection settings. Only Companion Slot replacement is documented; SmartSlot is unavailable.

B | MECHANICAL KEY INDEX - NOT AN ELECTRICAL PINOUT



Highlighted mechanical key references: 1, 8, 9. This numbered index does not show connector orientation. Consult the linked manufacturer drawing before fitting.

07 ORIGINAL MANUFACTURER DRAWING AND PROCEDURE LINKS

- Machine and FTA arrangement - PDF page 22
- Module polarization drawing - PDF page 26
- Companion Slot restrictions - PDF page 66

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.