

AMIKON TECHNICAL DOCUMENTATION

Installation Instructions

ICS Triplex T8461C

Conformal-coated TMR digital output module

OUTPUTS	GROUPS	FIELD	CHANNEL
40 TMR channels	5 x 8 channels	18-58 V DC	0.75 A maximum

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

Complete identity	Record T8461C, actual hardware revision and serial number; review current notices.
Condition and ESD	Reject damaged housings or bent pins. Do not touch pins or remove the housing.
Power and loads	Check both supplies, group allocation, minimum load and channel current limits.
Cable and termination	Select the documented FTA/VFTA and Companion Slot or SmartSlot connection.
Spare arrangement	Verify the installed active/standby configuration and approved maintenance plan.

02 PREPARATION AND BOUNDARIES

- T8461 cable polarization uses positions 1, 5 and 7. For Companion Slot cables, polarize both strips as documented.
- Unused outputs are commanded off with the specified 10 kohm, 0.5 W connection to zero volts. Use the full official wiring instructions.

03 INSTALLATION AND COMMISSIONING

01	Inspect the field cable and any I/O keys for correct position and seating before inserting the module.
02	Open the ejectors with the release key, guide the module into its intended slot and seat it using the upper and lower fascia.
03	Close both ejectors until locked. If the module resists insertion, withdraw and inspect rather than forcing it.
04	Verify field voltage, group connections, load current and voltage drop against the approved wiring and current manufacturer limits.
05	For replacement, complete the configured changeover and confirm the old module is no longer active before removal.
06	Validate output states and current/voltage diagnostics under the approved commissioning procedure before returning the process to service.

04 SAFETY AND FINAL CHECKS

- Investigate field wiring and module faults using the manual; do not bypass latched short-circuit protection.
- A cold start and an online transfer are different procedures. Use the complete manufacturer and plant safety instructions.

05 OFFICIAL PROCEDURE

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Overview: p. 7; installation: pp. 19-21; changeover: pp. 35-38; specifications: pp. 39-40. C option: ICSTT-CT004L, p. 2.

Independent Amikon summary, not a manufacturer-issued manual. Use the complete current manufacturer instructions and approved system safety procedure. No original manual pages are reproduced.

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