

AMIKON TECHNICAL DOCUMENTATION

Installation Instructions

ICS Triplex T8480

Trusted TMR analog output module

OUTPUTS	CURRENT	BACKPLANE	PLATFORM
40 TMR channels	4-20 mA recommended	20-32 V DC	Trusted

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 T8480 and record the supplied revision and serial number.
Housing and pins	Do not install damaged modules or straighten bent connector pins.
Static handling	Use ESD precautions; avoid exposed pins and do not remove the housing.
I/O position	Verify the intended T8100 or T8300 I/O slot and spare arrangement.
Cable and termination	Select the documented Companion Slot or SmartSlot cable and FTA/VFTA.

02

PREPARATION AND BOUNDARIES

- Check the original cable-polarization figure: T8480 uses key pieces 1, 6 and 7 for removal. Verify both strips in a Companion Slot cable.
- Use the controlled connector schedule and termination instructions. The reference diagrams do not assign electrical terminals or replace approved wiring drawings.

03
INSTALLATION AND COMMISSIONING

01	Verify that the field cable is seated and the mechanical keys are correctly positioned before module insertion.
02	Open both ejectors with the release key, guide the module into its slot, then press the upper and lower fascia to seat it.
03	Close both ejectors until locked. If insertion resists, withdraw and inspect; do not force or straighten damaged connector pins.
04	Verify engineered slot assignments, current-loop requirements, channel defaults and diagnostic settings against the approved configuration.
05	Keep the documented non-interfering-use scope. Provide the appropriate barriers for hazardous-area field circuits; direct connection is not approved.
06	For replacement, follow the configured Companion Slot or SmartSlot procedure and verify completed transfer. Never remove a module still indicating Active.

04
SAFETY AND FINAL CHECKS

- Check module health, output indications and reported line faults before returning connected equipment to service.
- Validate the actual field readings and configured output states under the approved commissioning and safety procedure.

05
OFFICIAL PROCEDURE

ICSTT-RM284P-EN-P | May 2022 | PD-T8480 Issue 16

Overview: p. 7; installation and keying: pp. 17-19; configuration: p. 21; changeover: pp. 35-36; specifications: pp. 37-38.

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.

AMIKON PRODUCT SUPPORT

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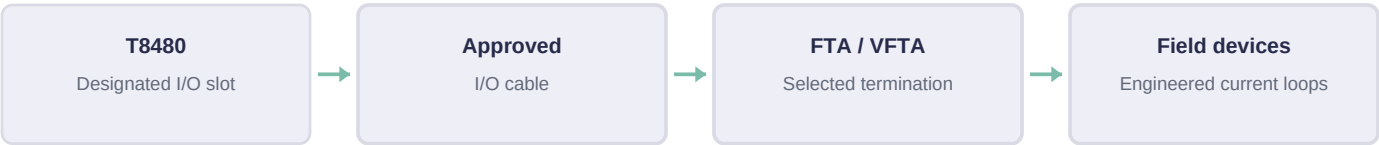
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06 ORIGINAL REFERENCE SCHEMATICS

ICS Triplex T8480 | Installation supplement

Original Amikon illustrations based on the cited manufacturer pages. Not to scale; not a manufacturer drawing or an approved installation / wiring plan.

A | INSTALLATION AND CONNECTION CONTEXT



Logical field-connection path only. Select the documented cable and termination; verify current-loop design within the specified non-interfering-use scope.

OEM context: [ICSTT-RM284P - PDF page 17](#)

B | MECHANICAL KEYING INDEX

Number index only - NOT the physical connector orientation.



HIGHLIGHTED KEY PIECES: 1, 6, 7

The OEM instruction identifies these mechanical key pieces for removal. Match the real cable to the original figure before work; these are NOT electrical signal pins.

For Companion Slot cables, verify both keying strips. This index does not show cable orientation, signal pins or field-wiring connections.

07 ORIGINAL MANUFACTURER FIGURE LINKS

[Figure 5: Module Polarization - PDF page 19](#)

[Connector reference table - PDF page 18 \(not reproduced\)](#)

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Verify the actual hardware revision. This reference does not establish a safety-output function or change the manufacturer certification scope.

Links include PDF page targets. If your viewer opens the cover, enter the stated page number. Retain the full manufacturer safety instructions and approved project documents.