

AMIKON TECHNICAL DOCUMENTATION

Installation Instructions

ICS Triplex T8480C

Conformal-coated TMR analog output module

OUTPUTS	RECOMMENDED	FIELD SUPPLY	OPTION
40 analog	4-20 mA	18-32 V DC	Conformal coated

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

Catalog and revision	Confirm T8480C and the actual supplied hardware revision.
Safety scope	Review the non-interfering application limitation and controlled safety documentation.
Loop requirements	Check field voltage, load resistance and configured output current.
Cable and FTA	Select the documented output cable and field termination arrangement.
Condition and ESD	Do not touch exposed pins, open the housing or fit damaged hardware.

02

PREPARATION AND BOUNDARIES

- The T8480 cable-key positions are 1, 6 and 7. Both keying strips must match in a Companion Slot arrangement.
- Read the complete connector and termination instructions. Unused channels must follow the documented off command and resistor termination.

03
INSTALLATION AND COMMISSIONING

01	Confirm the intended I/O slot and correctly seated field cable before opening the module ejectors.
02	Guide the module into position, press the upper and lower fascia to seat it and lock both ejectors.
03	Withdraw and inspect if insertion resists. Reject bent or damaged contacts instead of forcing the module.
04	Restore the approved output scaling and configuration, then check loop load against the specified field-voltage graph.
05	For a replacement, verify the configured spare arrangement and complete the controlled active/standby transfer before removal.
06	Verify loop current, voltage feedback, fault reporting and the intended field-device response before service.

04
SAFETY AND FINAL CHECKS

- Treat external wiring faults separately from internal module faults when reviewing diagnostics.
- Confirm non-interfering use and all applicable external barriers with the responsible safety engineer.

05
OFFICIAL PROCEDURE

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

Overview: p. 7; installation: pp. 17-19; changeover: pp. 33-36; specifications: pp. 37-38. 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.

AMIKON PRODUCT SUPPORT

+86-18020776786

INFO@AMIKON.CN

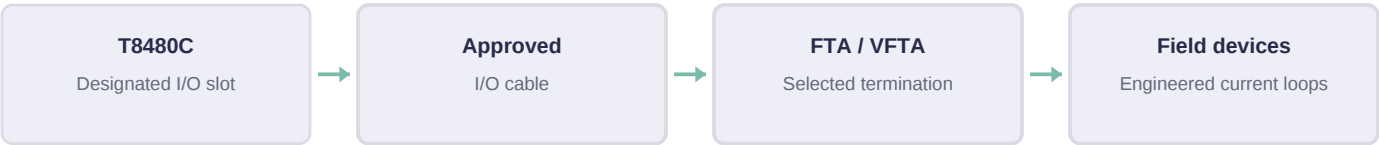
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06 ORIGINAL REFERENCE SCHEMATICS

ICS Triplex T8480C | 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 for the coated catalog option. Cable, termination and loop design remain subject to the documented non-interfering-use scope.

OEM context: [ICSTT-RM284P-EN-P - 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. Confirm the complete C-suffix unit and actual cable revision before using the family keying pattern.

07 ORIGINAL MANUFACTURER FIGURE LINKS

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

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

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

C suffix: [conformal-coating option - ICSTT-CT004L, PDF page 2](#)

Family drawing used for the coated option; confirm the actual supplied revision.

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.