

AMIKON TECHNICAL DOCUMENTATION

Installation Instructions

ICS Triplex T9803

Triple Digital Input Termination Assembly

FIELD CONNECTIONS	ARRANGEMENT	CHANNEL FUSE	PLATFORM
16	Triple	50 mA Type T	AADvance

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 T9803 and the required triple modular redundant arrangement.
Input group	Check the three intended T9401 or T9402 input modules.
Field circuits	Record channels, wire labels and the original isolated-input drawing.
Protection	Inspect channel fuses, terminal condition and base coding.
Controlled isolation	Use the approved site isolation and recommissioning procedure.

02

PREPARATION AND BOUNDARIES

- Read the original termination mounting and isolated digital input wiring instructions before fitting.
- Preserve channel labels and the approved field circuit; this reference does not assign terminal numbers.

03
INSTALLATION AND COMMISSIONING

01	Confirm T9803, the intended triple modular redundant group and the selected input modules.
02	Inspect the T9300 base, retaining clip and mating connections before fitting the termination.
03	Fit the termination using the OEM mounting procedure and check that the retaining tab is securely engaged.
04	Verify coding and connect the isolated field circuits according to the original manufacturer and site drawings.
05	Check conductor preparation, terminal tightening and each specified channel fuse under the controlled procedure.
06	Validate input states, fault reporting and the intended redundant behavior before operational release.

04
SAFETY AND FINAL CHECKS

- Investigate damaged fuses, loose terminals and field-circuit faults using the manufacturer procedures.
- Review the configured input-module diagnostics and voting arrangement when checking the complete channel function.

05
OFFICIAL PROCEDURE

[ICSTT-RM447N-EN-P | AADvance Solutions Handbook | February 2021](#)

Handbook PDF pp. 109-110: digital input termination specifications. Build manual PDF pp. 83-85 and 99: mounting, coding and isolated field connections.

[ICSTT-RM448N | AADvance System Build Manual | September 2024](#)

Independent Amikon reference, not an OEM manual. Use the complete manufacturer instructions matching the actual hardware and firmware. No manufacturer pages are reproduced.

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ORIGINAL REFERENCE SCHEMATICS

ICS Triplex T9803 | 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



Logical reference only; no field terminal numbers or substitute circuit are supplied.

The isolation figure is a withstand test value, not the permitted operating field voltage.

B | CONFIGURATION BOUNDARY

Use T9803 with the documented triple modular redundant digital input group, correct base coding and isolated field circuits. Module population and approved configuration determine the installed function.

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ORIGINAL MANUFACTURER DRAWING AND PROCEDURE LINKS

- Termination mounting diagram - PDF page 83
- Retention and coding procedure - PDF page 84
- Isolated digital input connection drawing - PDF page 99

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.