

AMIKON TECHNICAL DOCUMENTATION

Installation Instructions

ICS Triplex T9831

Simplex Analogue Input Termination Assembly

FIELD CONNECTIONS	ARRANGEMENT	CHANNEL LOAD	PLATFORM
16	Simplex	135 Ohm	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 T9831, simplex operation and the non-isolated field interface.
Input population	Check the one selected T9431 or T9432 module.
Sensor circuits	Record the sensor-loop arrangement and every channel label.
Protection and coding	Inspect channel fuses, terminals, retaining features and module coding.
Controlled work	Apply the approved isolation and recommissioning procedure.

02

PREPARATION AND BOUNDARIES

- Review the original analogue field-loop and termination connection drawings for the selected variant.
- Keep all sensor and channel labels traceable; this summary does not provide replacement terminal assignments.

03
INSTALLATION AND COMMISSIONING

01	Confirm T9831 and the simplex, non-isolated arrangement against the controlled equipment list.
02	Inspect the T9300 mounting base, termination connector and retaining clip before fitting.
03	Fit and retain the termination according to the OEM procedure and verify the correct analogue-input coding.
04	Connect the approved sensor circuits using the original variant-specific wiring drawing and site records.
05	Check conductor preparation, terminal tightening and the specified protection for every affected channel.
06	Complete controlled measurement, diagnostic and required redundant-group checks before operational release.

04
SAFETY AND FINAL CHECKS

- Investigate incorrect sensor values with the documented channel load, fuse condition and field-loop wiring in view.
- Review input-module diagnostics and the configured channel behavior before returning the affected measurement to service.

05
OFFICIAL PROCEDURE

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

Handbook PDF pp. 113-115: analogue input termination specifications. Build manual PDF pp. 83-85 and 103: mounting, coding and 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 T9831 | 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 sensor power wiring or terminal numbers are specified.

Confirm the exact termination variant; simplex, dual and triple arrangements are not interchangeable assumptions.

B | CONFIGURATION BOUNDARY

Use T9831 with the documented simplex analogue input group and non-isolated field wiring. Confirm the sensor circuits, channel load, protection and installed module configuration.

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ORIGINAL MANUFACTURER DRAWING AND PROCEDURE LINKS

[Termination mounting diagram - PDF page 83](#)

[Retention and coding procedure - PDF page 84](#)

[Non-Isolated analogue input drawing - PDF page 103](#)

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.