

AMIKON TECHNICAL DOCUMENTATION

Installation Instructions

ICS Triplex T9310-02

Two Meter Expansion Cable

CABLE LENGTH	ASSEMBLY	CONNECTION	PLATFORM
2 meters	Cable and 2 adaptors	Backplane expansion	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 the complete T9310-02 code and two-meter length.
Base endpoints	Record both bases and the approved I/O-bus connection.
Accessories	Inspect adaptors, ferrites and all retaining hardware.
Cable route	Check the available route and original connection drawing.
Controlled work	Apply the approved isolation and recommissioning plan.

02

PREPARATION AND BOUNDARIES

- Read the complete original drawing for the chosen base-to-base connection before fitting the cable.
- Record endpoint identities and routing; do not use this summary as a connector pinout.

03
INSTALLATION AND COMMISSIONING

01	Verify T9310-02 and the two-meter cable against the approved backplane expansion layout.
02	Inspect both adaptors, cable connectors, ferrites and retention hardware before installation.
03	Match connector orientation to the complete OEM drawing for the selected base arrangement; do not force connectors.
04	Secure the adaptors and cable using the specified retaining hardware and manufacturer procedure.
05	Fit the ferrites 50 mm from each end and secure them with ties on both sides as documented.
06	Complete controlled power-up and verify the affected I/O-bus communication and required functional tests.

04
SAFETY AND FINAL CHECKS

- Check endpoint identity, fully seated connections and cable retention when investigating an affected expansion bus.
- Review the controller diagnostics and approved I/O configuration after restoring the connection.

05
OFFICIAL PROCEDURE

ICSTT-RM447N-EN-P | AADvance Solutions Handbook | February 2021

Handbook PDF pp. 106-107: expansion cable specifications. Build manual PDF pp. 116-118 and 140: installation and exact two-meter order code.

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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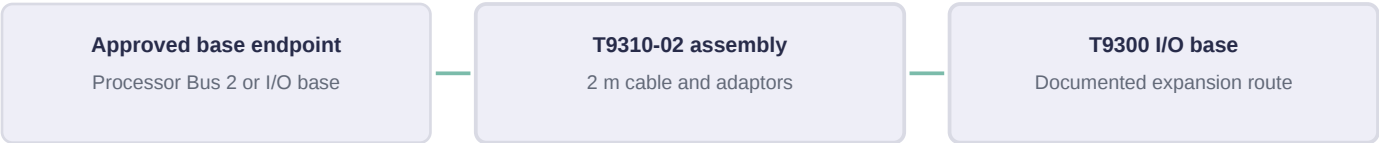
06

ORIGINAL REFERENCE SCHEMATICS

ICS Triplex T9310-02 | 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 relationship only; no connector orientation, terminal number or pin assignment is specified.

Use the complete original drawings for the selected base pair and ferrite arrangement.

B | CONFIGURATION BOUNDARY

Use T9310-02 only for the documented AADvance backplane connections. Confirm the two-meter route, correct adaptors, ferrites and approved base arrangement before installation.

07

ORIGINAL MANUFACTURER DRAWING AND PROCEDURE LINKS

[Expansion-cable ferrite requirements - PDF page 116](#)

[Processor-base to I/O-base drawing - PDF page 117](#)

[I/O-base to I/O-base drawing - PDF page 118](#)

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.