

AMIKON TECHNICAL DOCUMENTATION

Installation Instructions

ICS Triplex T8311

Trusted TMR expander interface module

ROLE	LOCATION	ADAPTER	KEY INDEX
Expander interface	Controller I/O pair	T8312	1, 2 and 6

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	Record T8311, revision and serial number; resolve applicable product notices.
Slot allocation	Verify the adjacent controller I/O pair and approved primary/secondary assignment.
Connections	Confirm T8312 adapter and the specified local or remote expansion cables.
Condition and ESD	Reject damaged housings or pins; avoid exposed contacts and housing removal.
Maintenance plan	Use controlled isolation or replacement instructions; check actual operating states.

02

PREPARATION AND BOUNDARIES

- Mechanical key pieces 1, 2 and 6 are identified in Figure 2. Both strips of a Companion Slot cable must match; these are not wiring-pin numbers.
- Complete cable-assembly replacement requires system shutdown and empty associated slots. Do not substitute an online module exchange procedure.

03
INSTALLATION AND COMMISSIONING

01	Confirm the exact module, applicable notices, approved controller I/O pair, adapter and maintenance plan.
02	Check cable seating and connector condition. Open both ejectors and guide the module into its designated controller I/O position.
03	Seat the upper and lower fascia and close the ejectors. Stop and inspect abnormal resistance; never force a damaged connector.
04	Verify the engineering entry matches the physical chassis and slot. Keep the configured primary and secondary allocation consistent.
05	Use the controlled procedure to confirm channel health and active/standby transfer. Never remove an interface still indicating ACTIVE.
06	Confirm expansion communications and required diagnostics under the approved commissioning plan before releasing the installation.

04
SAFETY AND FINAL CHECKS

- Healthy A/B/C and Active/Standby show different conditions; check both sets of indicators.
- Notice applicability is unresolved without the full manufacturer notice. No generic hot-swap permission, wiring map or inferred numeric limits are supplied.

05
OFFICIAL PROCEDURE

PD-T8311 | Issue 12 | March 2007

PDF pp. 9-13: architecture and installation; p. 15: configuration; pp. 20-23: operating states and indicators.

Product Notice 200905003 - full answer requires login

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

AMIKON PRODUCT SUPPORT

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06 ORIGINAL REFERENCE SCHEMATICS

ICS Triplex T8311 | Installation context

Original Amikon illustrations based on the cited OEM pages. Logical arrangement only; not to scale and not a manufacturer installation or electrical wiring drawing.

A | CONTROLLER-SIDE EXPANSION INTERFACE PAIR



The interface belongs on the controller side. Expander-chassis processors are separate hardware. Match physical connections to the approved engineering configuration.

OEM pair and adapter arrangement: [PDF page 10](#)

B | MECHANICAL KEY INDEX - NOT A PINOUT



Key pieces 1, 2 and 6 are identified by the manual. This is a numbered reference only, not the real connector orientation or electrical terminal numbering.

Check both keying strips for a Companion Slot cable. Complete cable-assembly replacement requires system shutdown and empty associated slots.

07 ORIGINAL MANUFACTURER FIGURE LINKS

Figure 2 - module polarization: [PDF page 13](#)

Installation and complete cable replacement: [PDF pages 10-12](#)

Figure 3 - front-panel indications: [PDF page 22](#)

If the viewer ignores the page target, enter the stated PDF page number manually. Retain the full OEM safety instructions and approved maintenance plan; these diagrams do not authorize live work.