

AMIKON TECHNICAL DOCUMENTATION

Installation Instructions

ICS Triplex T8100C

Trusted controller chassis unit

PROCESSORS	I/O / INTERFACE	SUPPLY	CLEARANCE
2 x 90 mm	8 x 30 mm	20-32 V DC	90 mm

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 T8100C, the chassis version and approved controller module population.
Mounting	Verify fixed or swing frame supports, or T8380 panel brackets, and 90 mm inter-chassis clearance.
Supply	Match redundant TB1/TB2 feeds to the 20-32 V DC range, external 20 A fusing and approved drawings.
Slot plan	Check two 90 mm processor positions and eight 30 mm I/O or interface positions.
Backplane switches	The three switches are unused. Leave their tape covering in place; do not set expander addresses here.

02

PREPARATION AND BOUNDARIES

- Use the approved isolation and ESD procedures before chassis, connector or power work. Do not treat a removable module feature as permission for live chassis replacement.
- Follow the manufacturer mounting and earth-tail drawings. This reference does not reproduce an electrical pinout or authorize wiring changes.

03
INSTALLATION AND COMMISSIONING

01	Confirm T8100C identity, mounting method, chassis version and the controlled controller configuration.
02	Mount using the specified M5 x 12 fasteners. Use T8380 brackets where the approved design requires panel mounting.
03	Maintain 90 mm spacing and verify chassis and fan tray alignment before fitting the fascia ears.
04	Check connector retention, earth tails and redundant power connections against the original drawings.
05	Retain the covering over the unused backplane switches. Match logical positions to the System Configuration Manager.
06	Guide processors and other modules into their designated positions. Verify power, health and configured operation before release.

04
SAFETY AND FINAL CHECKS

- Do not service the backplane internally. Resolve damaged connectors, unexpected slot population or power faults before commissioning.
- Check the installed module replacement procedure separately. Cross-chassis SmartSlot requires version 2 or later and TC-006 referencing.

05
OFFICIAL PROCEDURE

ICSTT-RM250 | PD-T8100 Issue 13

PDF pp. 11-13: chassis; pp. 19-25: slots, power and referencing; p. 29: installation; p. 31: ratings.

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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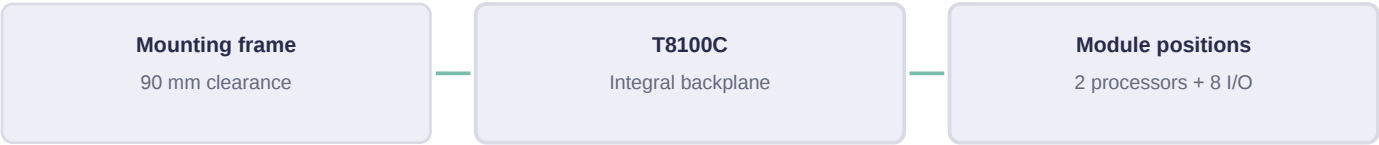
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ORIGINAL REFERENCE SCHEMATICS

ICS Triplex T8100C | 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



The two leftmost positions accommodate 90 mm TMR processors. Eight 30 mm positions serve I/O or interface modules.

Leave the three unused backplane switches covered. Redundant TB1/TB2 power wiring follows the original manufacturer drawing.

B | CONFIGURATION BOUNDARY

Check the controller-chassis identity, hardware version, processor positions and I/O configuration. Do not substitute expander-chassis slot assignments or address-switch instructions.

07

ORIGINAL MANUFACTURER DRAWING AND PROCEDURE LINKS

- Controller chassis arrangement - PDF page 11
- Unused backplane switches - PDF page 13
- Chassis mounting drawing - PDF page 29

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.