

AMIKON TECHNICAL DOCUMENTATION

Installation Instructions

ICS Triplex T8100

Trusted controller chassis assembly

PROCESSOR	I/O	SUPPLY	FUSING
2 x 90 mm slots	8 x 30 mm slots	20-32 V DC	External, 20 A

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

Assembly scope	T8100 is a controller chassis and backplane, not a complete controller.
Mounting arrangement	Use the specified swing frame, fixed frame or optional T8380 panel kit.
Module allocation	Plan two 90 mm processor positions and eight 30 mm I/O/interface positions.
Cooling space	Provide the documented 90 mm space between chassis on a frame.
Supply protection	Verify the 20-32 V DC distribution and external 20 A fusing.

02 PREPARATION AND BOUNDARIES

- Plan access to mounting ears, rear connectors, installed modules and cables using the manufacturer drawing.
- Chassis replacement is not an individual-module hot swap. Perform it within an approved system maintenance and isolation plan.

03
INSTALLATION AND COMMISSIONING

01	For frame installation, use M5 x 12 Pan Head Taptite screws as specified in the chassis installation drawing.
02	Use the inner mounting-ear holes for frame attachment. Fit the fascia ears at the outer holes after alignment of chassis and fan trays.
03	For panel mounting, fit the T8380 brackets using M5 fixings at four positions per bracket, then attach the chassis as documented.
04	Keep the three unused backplane switches covered by their tape; do not use them as configuration controls.
05	Align module U-channels with the upper and lower chassis guides. Use the module ejectors to secure each installed unit.
06	Check cooling clearance, module allocation, supply protection and electrical connections before controlled system commissioning.

04
SAFETY AND FINAL CHECKS

- Verify the complete chassis population and power/cooling design; the chassis alone has no application program.
- No unsupported torque, earthing arrangement or replacement compatibility is supplied in this summary. Use the controlled system documents.

05
OFFICIAL PROCEDURE

PD-T8100 | Issue 13 | Trusted Controller Chassis

Printed p. 3: module positions and clearance; p. 5: backplane; p. 21: mounting; p. 23: specifications (PDF pp. 11, 13, 29, 31).

Independent Amikon summary, not a manufacturer-issued manual. Follow the complete current manufacturer and site safety instructions for the installed hardware. No manual pages are reproduced.

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