

AMIKON TECHNICAL DOCUMENTATION

Installation Instructions

ICS Triplex T8850C

Trusted output field termination

OUTPUT LOOPS	GROUPS	CONNECTIONS	PROTECTION
40 channels	5 x 8	Two-wire field	No on-board fuses

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

Identity and module	Verify T8850C, actual revision and the associated output-module type.
Voltage and distribution	Above 32 Vdc, apply the special T8290 connection restrictions in RM452 note 3.
Cable and grouping	Match the forty-channel cable, five power groups and field terminal schedule.
Protection and site	Verify external protection and any required intrinsic-safety barriers.
Mounting and generation	Check DIN rail support and the actual SmartSlot generation before wiring.

02

PREPARATION AND BOUNDARIES

- Qualified personnel must use approved isolation, electrical safety and ESD procedures. This FTA has no on-board fuses; module replacement capability does not authorize live field-terminal work.
- RM452 limits field supply to 60 Vdc via T8290. Above 32 Vdc, positive field supply must not connect to P1 pins 1, 3, 5, 7 or 9. Use the complete OEM note and approved drawings.

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INSTALLATION AND COMMISSIONING

01	Record complete identity, board revision, output module, cable and approved field-voltage arrangement.
02	Isolate affected power and field circuits under the controlled maintenance plan; inspect the board and terminals.
03	Secure the assembly on the specified TS32 or TS35 rail and preserve access to the connectors.
04	Match each output and return to the original terminal tables and verify the five power-group assignments.
05	Verify the special positive-supply restriction above 32 Vdc, protection and any required barriers before energizing.
06	Restore service under the commissioning plan; verify group supply indication and each intended output response.

04
SAFETY AND FINAL CHECKS

- Green group indicators show field supply presence only. They do not establish correct output commands, field-load operation or sufficient circuit protection.
- JDH1 is associated with SmartSlot Version 1 and is marked unused in the illustrated arrangement. Confirm the installed generation; do not add a standby connection solely because a socket is present.

05
OFFICIAL PROCEDURE

ICSTT-RM452D | PD-T8850 Issue 15 | Output FTA

PDF pp. 1, 11-12: output interface and grouping; pp. 13, 15: mounting and cables; pp. 17-21: terminals and conditional voltage limits.

PC002G - output FTA and C-suffix scope, PDF pp. 4 and 6

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 T8850C | 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 assembly routes output signals and has no on-board fuses. Group power indication does not replace module diagnostics or external circuit protection.

Above 32 Vdc, use the OEM special positive-feed arrangement through T8290; do not use the ordinary P1 positive connection. This is a logical diagram, not a pinout.

B | CONFIGURATION BOUNDARY

Preserve T8850C and check the actual board revision, output module, cable and field supply design. Do not assume the ordinary P1 power connection is valid across the entire 60 Vdc maximum or that the FTA provides intrinsic-safety barriers or output fuses.

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ORIGINAL MANUFACTURER DRAWING AND PROCEDURE LINKS

[Original layout and two-channel circuit - PDF page 11](#)

[Field and power connection tables - PDF page 17](#)

[Ratings and high-voltage connection note - PDF page 21](#)

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.