

AMIKON TECHNICAL DOCUMENTATION

Installation Instructions

ICS Triplex T8800C

Trusted digital input termination

CHANNELS	FIELD POWER	FUSES	CONNECTION
40 digital inputs	18-32 Vdc	50 mA per channel	Two-wire devices

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 termination assembly	Confirm T8800C and the board revision; it is not the input module itself.
Field circuit schedule	Match all forty digital channels, loop components and two-wire connections.
Supply and protection	Verify dual field feeds, polarity and the specified individual 50 mA fuses.
Cable and SmartSlot	Check SK1 cable identity and the applicable SmartSlot generation.
Mounting and conditions	Confirm DIN rail mounting and documented operating environment.

02

PREPARATION AND BOUNDARIES

- Use qualified personnel, the approved field isolation plan and ESD precautions. Fuse protection and SmartSlot support are not general permission for live field-terminal work.
- Use the original channel schematic and complete pin tables. Line-monitoring components, if required, must match the input module thresholds and approved field-device circuit.

03
INSTALLATION AND COMMISSIONING

01	Record complete identity, board revision, input module, cable and field-loop schedule before replacement.
02	Isolate affected field feeds and signals under the approved maintenance procedure and observe ESD precautions.
03	Mount on TS32 or TS35 rail in the approved orientation and inspect the terminals, fuses and connectors.
04	Verify field-supply polarity, both feeds, channel numbering and required line-monitoring components against the original drawings.
05	Connect the matched module cable at SK1. Do not use the SK2 FTA connector for a SmartSlot Version 2 arrangement.
06	Restore service under the commissioning plan, verify supply indication and confirm intended digital states and configured field-loop diagnostics.

04
SAFETY AND FINAL CHECKS

- The green indicator confirms supply presence, not the correct state of every field circuit. Verify individual channels and the associated input module diagnostics.
- Channels 0 and 41 are shown as not configured in the auxiliary terminal table. They do not increase the forty-channel capacity or authorize extra field inputs.

05
OFFICIAL PROCEDURE

PD-T8800 Issue 6 | 40 Channel 24 Vdc Digital Input FTA

PDF pp. 1, 11-12: interface and channel circuit; p. 13: mounting; pp. 15, 17-20: cables and terminals; p. 22: ratings.

PC002G - input FTA ratings 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 T8800C | 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



Two field feeds are combined through diodes before individual channel fuse protection. The digital signal is passed to the input module for interpretation.

SK2 relates to the documented SmartSlot Version 1 arrangement and is unused for Version 2. This drawing does not replace the original connector orientation or pin tables.

B | CONFIGURATION BOUNDARY

Match the complete T8800C identity, input cable, terminal schedule, field power and SmartSlot generation. Do not replace it with a non-incendive or analogue-input termination assembly merely because the channel count or mounting is similar.

07

ORIGINAL MANUFACTURER DRAWING AND PROCEDURE LINKS

[FTA layout and single-channel circuit - PDF page 11](#)

[SmartSlot and field connection scope - PDF page 12](#)

[Power and initial field terminal assignments - PDF page 17](#)

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.