

AMIKON TECHNICAL DOCUMENTATION

Installation Instructions

ICS Triplex T8842

Trusted versatile termination assembly

CHANNELS	FIELD SUPPLY	GROUPS	MOUNTING
40 configurable	18-28 Vdc	5 x 8 channels	TS32 / TS35 rail

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 condition	Verify T8842, board revision, label and undamaged terminals.
Module and cable	Match the zone or valve module, approved cable and field device configuration.
Power and loading	Verify 18-28 Vdc feeds and the limits for the selected power path.
Circuit configuration	Check every fuse, resistor and link against the applicable OEM circuit figure.
Mounting and environment	Use TS32 or TS35 rail and check the documented temperature and humidity limits.

02

PREPARATION AND BOUNDARIES

- Qualified personnel must follow the approved isolation, hazardous-area and ESD procedure before connecting or changing field circuits. Do not infer live-work permission from the presence of replaceable fuses.
- Zone interface operation still requires field power when all channels are inputs. Use the complete OEM connection tables and cable instructions; this reference is not a wiring drawing.

03
INSTALLATION AND COMMISSIONING

01	Identify the installed assembly, module, cable and channel schedule before isolation or replacement.
02	Isolate affected circuits under the site procedure, observe ESD precautions and inspect terminals and components.
03	Secure the assembly on the approved TS32 or TS35 rail, preserving access and the documented mounting arrangement.
04	Verify each channel circuit, fuse and resistor. Never fit links C and D together, or E and F together.
05	Check field feeds, polarities, loop loads and the intended reset circuit against the complete manufacturer drawings.
06	Restore service under the commissioning plan. Test intended input states, output response, loop diagnostics and configured resets.

04
SAFETY AND FINAL CHECKS

- Fuse values and link positions depend on the channel function. A 2 A part may provide protection or serve as a low-resistance link; do not assign the same arrangement to every channel.
- The manual treats field input supply and digital output loading separately. Retain the 2.52 A field-supply group limit and verify the distinct output circuit before applying any output rating.

05
OFFICIAL PROCEDURE

PD-T8842 Issue 9 | Trusted Versatile FTA

PDF pp. 1, 11-17: role and circuit configurations; pp. 18, 20: mounting and power; pp. 22-27: connectors and links; p. 28: 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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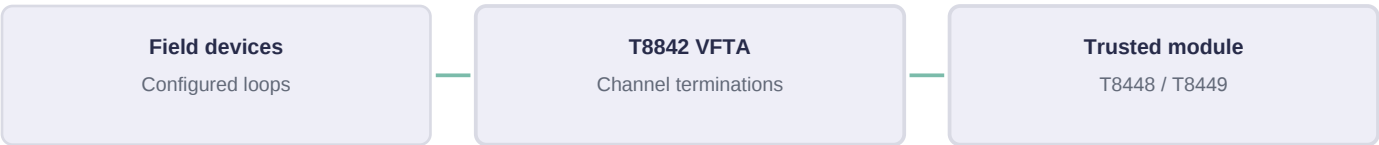
06

ORIGINAL REFERENCE SCHEMATICS

ICS Triplex T8842 | 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



Five groups serve eight channels each. Fuse, resistor and link selection follows the actual field circuit rather than one universal channel arrangement.

For the documented fire-loop reset, the first channel can supply the other seven. Verify the OEM circuit, loading and configuration; this diagram does not assign terminals.

B | CONFIGURATION BOUNDARY

Match the full T8842 identity, board revision, module type, cable and every channel link arrangement. A shared 40-channel form does not establish replacement compatibility. Preserve the approved field power and fire-loop reset design.

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ORIGINAL MANUFACTURER DRAWING AND PROCEDURE LINKS

- Channel and power-group arrangement - PDF page 12
- Fire-loop reset configuration - PDF page 16
- Connector locations and supply table - PDF page 22

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.