AMIKON TECHNICAL DOCUMENTATION

Installation Instructions

ICS Triplex T3481A

Regent monitored guarded output module

OUTPUTS	FIELD SUPPLY	MINIMUM LOAD	PLATFORM
16 guarded DC	**18-36 V DC**	**5 mA**	**Regent**

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	Confirm T3481A, including the A suffix, and the intended Regent output position.
Field connections	Use the original single or parallel wiring diagram and the upper 4/lower 3 mechanical keys.
Supply and loads	Check 18-36 V DC supplies, temperature derating, minimum load and guaranteed-off behavior with the specified leakage.
Output protection	Verify the exact front-accessible 3 A fast-acting rectifier fuse type for each output; do not substitute a generic fuse.
Configuration	Check module type, single or Dual Mode, partner assembly/slot, output logic, fault variables and chassis fault-mode jumper.

02 PREPARATION AND BOUNDARIES

- Use the complete original wiring and configuration instructions with the approved site maintenance and isolation plan.
- This logical summary is not an electrical drawing. A single module removal disables its outputs; continued operation requires the documented healthy parallel arrangement.

03 INSTALLATION AND COMMISSIONING

01	Record the complete module identity, configured slot and approved maintenance state.
02	Compare the single or parallel field arrangement and mechanical keys with the original drawings.
03	Verify separate group supplies, load ratings, off-state behavior and the specified output fuses.
04	Confirm Dual Mode and reciprocal partner references when parallel modules are installed.
05	Check output and Fault Name variables, coordinated control logic and the approved shutdown or hold selection.
06	Complete the required load, fuse, line-fault and redundancy tests before releasing the process for operation.

04 SAFETY AND FINAL CHECKS

- Open load, shorted load, blown fuse or missing field power can mask a switch fault. Address load/fuse faults through the approved maintenance process.
- Disabling a load/fuse LED does not disable monitoring or its Fault Name variable. Safety use requires the manufacturer-specific configuration and alarm provisions, not an unconditional certification claim.

05 OFFICIAL PROCEDURE

ICSTT-RM021 | PD-6033 Issue 2

PDF pp. 1-6: guarded output and diagnostics; pp. 9-23: loading, wiring and configuration; pp. 23-25: 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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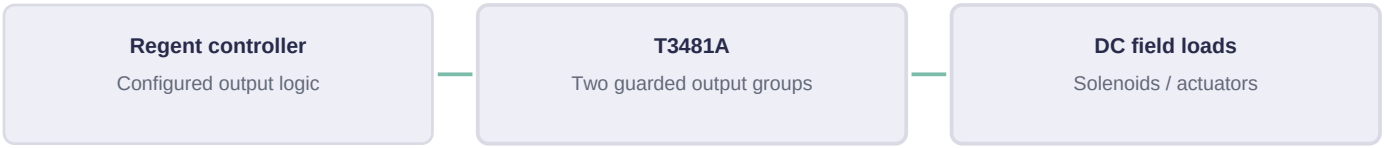
06 ORIGINAL REFERENCE SCHEMATICS

ICS Triplex T3481A | 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



External field supplies must match 18-36 V DC and the documented load limits. A-version leakage and minimum load differ from the earlier version.

Parallel fault tolerance needs both the original wiring arrangement and reciprocal Dual Mode configuration.

B | CONFIGURATION BOUNDARY

Retain the A suffix and verify the external DC supply, load derating, fuse type and upper 4/lower 3 keys. A parallel pair requires reciprocal Dual Mode definitions and coordinated control logic.

07 ORIGINAL MANUFACTURER DRAWING AND PROCEDURE LINKS

Original single-module field drawing - PDF page 14

Original parallel-module field drawing - PDF page 15

Mechanical key positions and fault-mode selection - PDF page 16

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.