

AMIKON TECHNICAL DOCUMENTATION

Installation Instructions

ICS Triplex T3419

Regent fire detector input module

DETECTOR INPUTS	FIELD SUPPLY	RESET CONTROL	PLATFORM
16 circuits	15-40 V DC	Individual channel	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 T3419 and the Regent I/O position against the actual equipment label.
Field connection	Check the detector-loop drawing, line terminators and upper 11/lower 7 mechanical keys.
Field power	Verify 15-40 V DC external supply and the complete detector loop loading; internal regulation is nominally 23.5 V DC.
Detector compatibility	Compare healthy, alarm, open and short operating points, including any approved barrier voltage drops.
Configuration	Check input Name, Fault Name and Reset Name variables and the approved threshold, reset and voting logic in WINTERPRET.

02

PREPARATION AND BOUNDARIES

- Read the complete detector and Regent instructions and obtain the approved isolation and commissioning procedure.
- This logical reference is not a pinout or a source of generic alarm thresholds. Do not connect one detector to redundant inputs without the required manufacturer review.

03
INSTALLATION AND COMMISSIONING

01	Record the exact module, configured slot and approved maintenance conditions before replacement.
02	Compare mechanical keys and field connections with the original manufacturer drawings.
03	Verify the field supply, detector loop loading, line termination and any approved external barriers.
04	Check the detector operating points against the configured healthy, alarm, open and short thresholds.
05	Verify separate alarm and line-fault reporting and the detector-specific reset sequence under the approved test plan.
06	Complete the required sensor, module and redundancy checks before returning the protected process to service.

04
SAFETY AND FINAL CHECKS

- Line faults are reported through Fault Name variables, not simply as permanent module faults. A healthy module indication does not confirm a healthy detector loop.
- During detector reset the reported input state is held and a line fault can be indicated. After power returns, the manual describes a settling delay; verify the actual detector and approved reset timing.

05
OFFICIAL PROCEDURE

ICSTT-RM020 | PD-6032 Issue 1

PDF pp. 1-5: operation and testing; pp. 8-18: connections, thresholds and reset; pp. 19-21: safety and 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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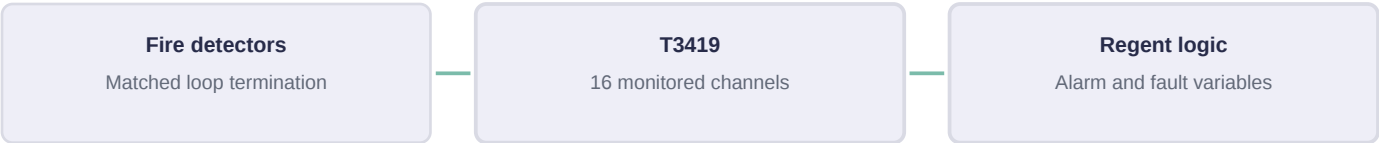
06

ORIGINAL REFERENCE SCHEMATICS

ICS Triplex T3419 | 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 supply is 15-40 V DC; internal regulation provides nominal 23.5 V DC detector-loop power.

Thresholds and reset timing depend on the actual detector. Upper 11/lower 7 are mechanical keys, not electrical terminals.

B | CONFIGURATION BOUNDARY

Confirm T3419, the Regent I/O position, detector type, field supply, termination and upper 11/lower 7 keys. Sharing a field detector between redundant modules requires manufacturer review.

07

ORIGINAL MANUFACTURER DRAWING AND PROCEDURE LINKS

[Original detector-loop connection drawing - PDF page 9](#)

[Original slot-key drawing and model table - PDF page 13](#)

[Detector reset behavior and reporting - PDF page 18](#)

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.