

AMIKON TECHNICAL DOCUMENTATION

Installation Instructions

ICS Triplex T3491

Regent multiplexed I/O interface module

PORTS	BAUD RATE	REMOTE I/O	PLATFORM
2 isolated RS-422	9600 / 19200	MIU digital equipment	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 T3491 and the intended Regent I/O chassis position.
Remote connections	Match the original RS-422 diagram, signal references and upper 4/lower 2 mechanical keys.
Remote equipment	Verify the listed MIU units, remote power provisions and the installed cable length and baud rate.
Safety boundary	Use the documented non-safety I/O scope; duplex communications alone do not qualify the remote points for safety-critical duty.
Configuration	Check single or dual protocol, baud rate, unique MIU IDs and the hardware links against WINTERPRET definitions.

02

PREPARATION AND BOUNDARIES

- Use the complete Regent and MIU manufacturer instructions with the approved site maintenance procedure.
- Remote MIU outputs latch their last state on a system-level failure. Do not assume a chassis shutdown jumper de-energizes them or makes field work safe.

03
INSTALLATION AND COMMISSIONING

01	Record the exact model, installed I/O position and approved isolation state.
02	Compare mechanical keys and serial cable connections with the original drawing; match A/B and plus/minus references correctly.
03	Verify remote processor IDs, hardware address links, protocol mode and baud rate.
04	When one MIU processor uses both unit types, define output units before input units as required by the manual.
05	Leave the first point on the first I/O unit undefined and check all remaining point assignments.
06	Test communications, intended display or remote I/O behavior and fault reporting before releasing the installation.

04
SAFETY AND FINAL CHECKS

- Module electronics faults and remote communication port faults have different indications. Check configuration and serial wiring before inferring a failed module.
- The manufacturer limits this interface to non-safety-critical inputs and outputs. Two-out-of-two communication voting is not an independent safety approval for the remote equipment.

05
OFFICIAL PROCEDURE

ICSTT-RM023 | PD-6035 Issue 1

PDF pp. 1-4: remote MIU interface; pp. 7-17: wiring, configuration and safety limits; pp. 18-19: 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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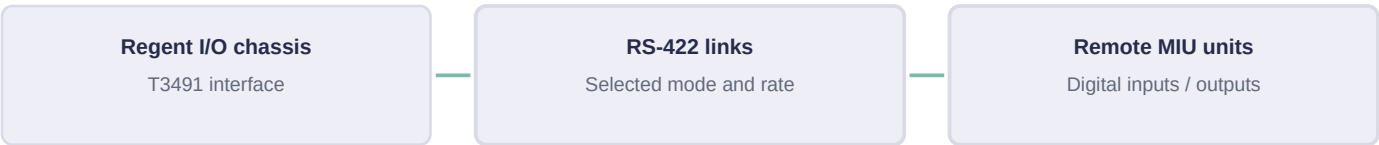
06

ORIGINAL REFERENCE SCHEMATICS

ICS Triplex T3491 | 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



Use the exact original serial connection drawing; the module and MIU equipment use different signal naming conventions.

Remote output latch behavior is not overridden by the ordinary chassis shutdown selection. Review the controlled MIU documentation.

B | CONFIGURATION BOUNDARY

Match the exact T3491 identity, upper 4/lower 2 keys, serial cables and remote MIU configuration. Preserve the documented non-safety I/O boundary and review remote latching outputs independently of chassis fault-mode selection.

07

ORIGINAL MANUFACTURER DRAWING AND PROCEDURE LINKS

- Original RS-422 serial connection drawing - PDF page 9
- Slot keys and remote output latch warning - PDF page 11
- Point-definition restriction for the first unit - PDF page 14

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.