

AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

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

ICS Triplex T3491 is a Regent multiplexed I/O interface that connects remote MIU equipment through two isolated RS-422 ports. It exchanges digital input and output data, supporting matrix or mimic displays and remote non-safety I/O rather than direct analogue measurement.

01

PRODUCT IDENTITY AND SPECIFICATIONS

Product model	T3491
Serial interfaces	2 isolated RS-422 ports
Communication protocol	Subset of the ICS2000 I/O communications protocol
Operating modes	Two independent links or dual 2oo2 voted links
Baud rates	9600 or 19200 baud
Documented cable reach	Approximately 1220 m at 19200 baud; 2440 m at 9600 baud
Remote I/O capacity	Up to 12 MIU processors, 8 input units and 4 output units; point-definition restrictions apply
Listed MIU equipment	MIU3201 processor, MIU3202 64-point input and MIU3204 64-point output

02 TECHNICAL DATA

MIU processor addresses	Unique IDs 2-15, matching the hardware links
Safetybus load	1.0 load unit
Isolation	1000 V minimum: port-to-port and port-to-logic
Heat dissipation	4.5 W
Slot keys	Upper connector 4; lower connector 2
Operating temperature	0 to +60 degrees C
Storage temperature	-40 to +85 degrees C
Relative humidity	0-95%, noncondensing

03 APPLICATION AND CONFIGURATION

- T3491 links Regent logic to the manufacturer-listed remote MIU processor and digital input/output units. Verify the configured topology, addresses, cable polarity and permitted point definitions; it is not a direct analogue I/O card.
- 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.
- Ratings describe the documented equipment, not packed dimensions, shipping weight or a certified supplied-unit origin.

04 OFFICIAL DOCUMENTATION

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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.

AMIKON PRODUCT SUPPORT

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