

AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

ICS Triplex T9401

8 Channel Digital Input Module

CHANNELS	SIGNAL TYPE	INPUT RANGE	PLATFORM
8	Digital Input	0-32 V DC	AADvance

T9401 is an AADvance digital input module with 8 isolated channels for field signals in the 0 to 32 V DC range. It supplies channel state and measured voltage information to the processor, with configurable bands for line monitoring and diagnostics.

01

PRODUCT IDENTITY AND SPECIFICATIONS

Product model	T9401
Input channels	8
Input signal range	0 to 32 V DC
Module supply	Redundant nominal 24 V DC; 18 to 32 V DC
Module power dissipation	3.3 W
Sample update interval	6 ms with no filter
Measurement resolution	5 mV, 13-bit
Input voltage accuracy	+/-0.5 V

02 TECHNICAL DATA

Channel isolation withstand	+/-1.5 kV DC for 1 minute
Self-test interval	Less than 1 hour; system dependent
Line monitoring	Configurable input-voltage thresholds
Compatible terminations	T9801/T9802/T9803
Module arrangement	Simplex, dual or TMR with matching terminations
Status indication	Local module and channel status indicators
Module protection	Independent watchdog and shutdown mechanism

03 APPLICATION AND CONFIGURATION

- Chemical Processing: Continuous Chemical Production and Batch Manufacturing Process Areas.
- Power Generation: Natural Gas Electricity Production and Utility Generation Facilities.
- Oil & Gas: Hydrocarbon Production, Refining and Petroleum Transport Operating Areas.

04 OFFICIAL DOCUMENTATION

ICSTT-RM447N-EN-P | AADvance Solutions Handbook | February 2021

Handbook PDF pp. 107-110: product specifications. Separate RM448 build manual: original installation and field-loop drawings.

ICSTT-RM448N | AADvance System Build Manual | September 2024

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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