

AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

ICS Triplex T9402

16 Channel Digital Input Module



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

T9402 is an AADvance digital input module with 16 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	T9402
Input channels	16
Input signal range	0 to 32 V DC
Module supply	Redundant nominal 24 V DC; 18 to 32 V DC
Module power dissipation	4.0 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

- Oil & Gas: Oil Production, Gas Processing and Petroleum Transportation Facilities.
- Chemical Processing: Chemical Manufacturing, Batch Processing and Industrial Formulation Facilities.
- Power Generation: Gas Turbine Generation and Combined Cycle Power Stations.

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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