

AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

ICS Triplex T9451

8 Channel Digital Output Module



CHANNELS	SIGNAL TYPE	CHANNEL CURRENT	PLATFORM
8	Digital Output	1 A continuous	AADvance

T9451 is an AADvance digital output module with 8 channels for compatible field devices. Each channel combines voltage and load-current monitoring with reverse-current protection and open or short circuit diagnostics, while internal checks monitor the output switching path.

01

PRODUCT IDENTITY AND SPECIFICATIONS

Product model	T9451
Output channels	8
Module supply	Redundant nominal 24 V DC; 18 to 32 V DC
Module power dissipation	3.0 W
Operating field supply	18 to 32 V DC
Continuous channel current	1 A per channel
Total current derating	8 A at 60 degrees C; 6 A at 70 degrees C
Line-monitoring minimum current	10 mA per module; 20 mA for a dual pair

02 TECHNICAL DATA

Maximum output voltage drop	1 V DC
Voltage monitoring accuracy	+/-0.5 V
Current monitoring accuracy	+/-10 mA
Effective off resistance	50 kilohms
Overload protection	2 A surge for up to 50 ms; 1.5 A continuous
Field-loop power dissipation	0.57 W per field loop
Compatible terminations	T9851/T9852

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. 115-117: 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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