

AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

ICS Triplex T7481A

Monitored Guarded Output Module



OUTPUTS	FIELD VOLTAGE	MINIMUM LOAD	PLATFORM
16 circuits	18-36 V DC	5 mA	Regent + Plus

T7481A is a Regent + Plus monitored guarded output module for 24 V DC field loads. Sixteen outputs are divided into two isolated groups, with redundant switching and automatic checks intended to detect internal faults and external load problems.

01

PRODUCT IDENTITY AND SPECIFICATIONS

Product model	T7481A
Output arrangement	16 circuits in two isolated groups of 8
Field voltage range	18 to 36 V DC
Continuous load current	2 A at 0-40 degrees C; 1.5 A at 60 degrees C
Minimum load current	5 mA for T7481A
Maximum on-state drop	1.0 V
Maximum off-state leakage	700 microamps single; 1 mA dual configuration
Output fusing	One 3 A, 250 V, fast-acting 3AB rectifier-type fuse per output

02 TECHNICAL DATA

Safetybus power	1.5 load units
Switching delay	0.5 ms turn-on and 0.5 ms turn-off
Heat dissipation	30 W
Isolation	2500 V minimum: field to logic and between output groups
Operating temperature	0 to 60 degrees C
Storage temperature	-40 to 85 degrees C
Operating humidity	0 to 95% RH, non-condensing

03 APPLICATION AND CONFIGURATION

- Oil and gas: production, gas processing and petroleum transportation facilities.
- Chemical processing: continuous production, batch blending and formulation areas.
- Power generation: natural-gas turbine and combined-cycle generating facilities.

04 OFFICIAL DOCUMENTATION

ICSTT-RM056 | Monitored Guarded Output Modules | Issue 2

PDF pp. 9-12: load arrangements; pp. 14-22: wiring/configuration; pp. 23-24: specifications.

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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