

AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

ICS Triplex T8480

Trusted TMR analog output module



OUTPUTS	CURRENT	BACKPLANE	PLATFORM
40 TMR channels	4-20 mA recommended	20-32 V DC	Trusted

ICS Triplex T8480 connects forty field devices through triplicated analog output channels. Internal diagnostics check current and voltage throughout each voted channel, including stuck-on and stuck-off conditions, while line monitoring reports open-circuit loads and missing field-supply voltage.

01

PRODUCT IDENTITY AND SPECIFICATIONS

Product model	T8480
Analog output channels	40
Power-group arrangement	5 groups of 8 channels
Backplane voltage	20 to 32 V DC
Backplane power	22 W
Field-supply voltage	18 to 32 V DC
Maximum field-supply current	0.9 A
Continuous output range	1 to 22 mA

02 TECHNICAL DATA

Recommended output range	4 to 20 mA
Off-state leakage at 24 V	350 microamperes maximum
Calibration accuracy at 25 degrees C	+/-0.1% of full scale
Overall accuracy, 0 to 60 degrees C	+/-0.25% of full scale
Step response, 1 to 20 mA	Less than 50 ms to 1% of final value
Operating temperature	0 to +60 degrees C
Storage temperature	-25 to +70 degrees C
Relative humidity	10 to 95%, non-condensing

03 APPLICATION AND CONFIGURATION

- Current-loop output service requires the appropriate field supply and permissible load resistance.
- Forty outputs form five power groups; channels within one group are not individually isolated.
- Certification scope is non-interfering use. Consult the T8094 safety manual and complete project design.

04 OFFICIAL DOCUMENTATION

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Overview: p. 7; installation and keying: pp. 17-19; configuration: p. 21; changeover: pp. 35-36; specifications: pp. 37-38.

Independent Amikon summary, not a manufacturer-issued manual. Use the complete current manufacturer instructions and approved system safety procedure. No original manual pages are reproduced.

AMIKON PRODUCT SUPPORT

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