

T8480

Trusted TMR 4-20 mA Analog Output Module

PRODUCT TECHNICAL REFERENCE

ICS Triplex T8480 is a Trusted TMR analog output module with 40 current-controlled channels. It delivers 4-20 mA commands and monitors field voltage and load current for output diagnostics.

OFFICIAL SOURCE

Trusted TMR 4-20 mA Analog Output Module 40 Channel | ICSTT-RM284P-EN-P, May 2022

Verified technical profile

Trusted TMR 4-20 mA Analog Output Module

Backplane supply	20 to 32 Vdc
Backplane power	22 W
Field supply	18 to 32 Vdc
Field current	0.9 A maximum
Outputs	40
Power groups	5 groups of 8
Continuous current range	1 to 22 mA
Recommended output	4 to 20 mA
Calibration accuracy	+/-0.1% FS at 25 deg C
Overall accuracy	+/-0.25% FS, 0 to 60 deg C
Step response	Less than 50 ms to 1%
Short-circuit behavior	22 mA into 0 ohm
SOE resolution	1 ms
Dimensions	266 x 31 x 303 mm
Weight	1.3 kg

ENGINEERING USE OF THE VERIFIED DATA

The module connects through a Trusted field termination unit and is defined in the IEC 61131 Toolset as a 40-channel analog output device. Commissioning includes current-loop calibration, load and supply checks, standby-swap behavior, discrepancy limits and final-element stroke or response tests.

Verification focus: Confirm T8480, hardware revision and the assigned Trusted slot.

Only values traceable to the listed manufacturer source are treated as verified technical data.

System role and engineering boundaries

ICS Triplex T8480 is a Trusted TMR analog output module with 40 current-controlled channels. It delivers 4-20 mA commands and monitors field voltage and load current for output diagnostics.

1

Generates forty current-controlled analog outputs

2

Organizes channels into five separately supplied groups

3

Measures output voltage and load current for diagnostics

4

Supports monitored 4-20 mA control of field devices

ENGINEERING NOTE

Install T8480 in a T8100 or T8300 I/O-module slot with the documented analog-output termination hardware and five field-power groups. Verify loop polarity, load resistance, channel scaling and measured current feedback before releasing any 4-20 mA final element.

Industrial application matrix

Four source-supported operating contexts for this exact product.

Control-valve positioning

Commands modulating valve positioners with supervised 4-20 mA current loops.

VFD speed-reference outputs

Provides monitored analog setpoints to compatible drive interfaces.

Process actuator demand

Delivers current commands to analog final elements in Trusted control applications.

Redundant analog-output service

Supports configured Trusted module-pair arrangements and controlled standby replacement checks.

MODEL-SPECIFIC ACCEPTANCE FOCUS

Confirm T8480 identity and revision, T8100/T8300 slot, field termination unit, five supply groups, loop polarity and shielding, load resistance, Toolset scaling, discrepancy settings, firmware/application versions and complete 4-20 mA functional tests before commissioning.

Related-series navigation

Eight verified Apter Power product pages, kept separate from the manufacturer source record.

RELATED APTER POWER SERIES PAGES	
01	MAI32MAD Apter Power product page
02	T8850C Apter Power product page
03	T8850 Apter Power product page
04	T8830 Apter Power product page
05	T8461CX Apter Power product page
06	T8800 Apter Power product page
07	T9881 Apter Power product page
08	T9851 Apter Power product page

Navigation links only - not manufacturer evidence for technical parameters.

SOURCE RECORD

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