

T9802

AADvance Dual Digital Input Termination Assembly

PRODUCT TECHNICAL REFERENCE

ICS Triplex T9802 is an AADvance dual digital input termination assembly for 16 isolated channels. It connects two T9401 or T9402 digital input modules to protected field terminations.

OFFICIAL SOURCE

AADvance Controller Solutions Handbook | ICSTT-RM447N-EN-P, February 2021

Verified technical profile

AADvance Dual Digital Input Termination Assembly

Termination function	Digital input
Redundancy arrangement	Dual
Field connections	16
Supported modules	Two T9401 or T9402
Conductor size	1.31 mm2 maximum (16 AWG)
Strip length	6 mm
Channel fuse	50 mA, 125 V, Type T
Channel load	5.125 kohm +/-0.2%
Input resolution	5 mV, 13 bit
Channel isolation	+/-1.5 kVdc maximum for 1 minute
Loop dissipation	0.2 W maximum per field loop
Assembly weight class	260 g dual TA allowance

ENGINEERING USE OF THE VERIFIED DATA

The termination assembly mates with the AADvance base-unit and the dual digital-input module positions defined in the hardware configuration. Replacement validation includes fuse condition, terminal torque, channel-to-variable mapping, dual-module health and field fault detection.

FIELD CHECKPOINTS

- Confirm the T9802 marking and dual digital-input group assignment.
- Isolate all 16 field circuits before touching the termination assembly.

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

System role and engineering boundaries

ICS Triplex T9802 is an AADvance dual digital input termination assembly for 16 isolated channels. It connects two T9401 or T9402 digital input modules to protected field terminations.

1

Terminates sixteen isolated digital input field circuits

2

Supports a dual arrangement of matching AADvance input modules

3

Provides replaceable channel fuses accessible at the termination assembly

4

Maintains engineered conductor and isolation interfaces at the cabinet boundary

ENGINEERING NOTE

Mount T9802 on the approved AADvance I/O base-unit arrangement and pair it only with two matching T9401 or T9402 digital input modules. Verify all 16 field terminals, channel fuses, conductor preparation and isolated-channel assignments before applying field voltage.

Industrial application matrix

Four source-supported operating contexts for this exact product.

Dual safety input groups

Terminates paired AADvance input modules used for redundant field-state acquisition.

Protected switch input panels

Provides individual fuse protection and field landing points for discrete switch circuits.

Line-monitored input assemblies

Supports field-state and fault detection when used with the configured digital input modules.

AADvance cabinet expansion

Adds a standardized dual digital-input termination position to an approved I/O base-unit row.

MODEL-SPECIFIC ACCEPTANCE FOCUS

Verify the complete T9802 identity, AADvance base-unit position, dual T9401/T9402 module type, 16-channel terminal map, fuse ratings, conductor preparation, isolation boundaries, Workbench configuration and channel diagnostics before commissioning.

Related-series navigation

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

RELATED APTER POWER SERIES PAGES	
01	T8850 Apter Power product page
02	T8830 Apter Power product page
03	T8461CX Apter Power product page
04	T8800 Apter Power product page
05	T9881 Apter Power product page
06	T9851 Apter Power product page
07	T8122 Apter Power product page
08	T9082U Apter Power product page

Navigation links only - not manufacturer evidence for technical parameters.

SOURCE RECORD

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