

AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

ICS Triplex T8850C

Trusted output field termination

OUTPUT LOOPS	GROUPS	CONNECTIONS	PROTECTION
40 channels	5 x 8	Two-wire field	No on-board fuses

ICS Triplex T8850C is a Trusted field termination assembly for analogue or digital output circuits. It connects the documented output module and cable to forty two-wire field loops, arranged as five separately powered groups containing eight channels each.

01

PRODUCT IDENTITY AND SPECIFICATIONS

Product model	T8850C
Output termination capacity	40 two-wire field loops
Power group arrangement	5 groups of 8 channels
Supported module families	T8451 digital, T8461 digital or T8480 analogue; matched cable required
Field supply maximum	60 Vdc via T8290; above 32 Vdc requires the special connection in RM452 note 3
Group power dissipation	0.5 W per power group
On-board fusing	None; verify protection in the approved circuit design
Channel isolation within a group	None

02 TECHNICAL DATA

Supply indication	1 green LED per power group
Output-module connection	JDH2, 96-way socket; JDH1 relates to SmartSlot Version 1
Field terminal wire range	12 AWG to 28 AWG
DIN rail mounting	TS32 or TS35; horizontal or vertical
Operating temperature	0 to +60 degrees C
Storage and humidity	-25 to +70 degrees C; 10-95% RH, noncondensing
Equipment dimensions	110 x 360 x 68 mm (H x W x D)
Equipment mass	950 g; not packaged or shipping gross weight

03 APPLICATION AND CONFIGURATION

- T8850C routes signals from the documented T8451, T8461 or T8480 output arrangement to two-wire field circuits. The five power groups and selected cable must match the output module. Above 32 Vdc, the manual imposes a special positive-supply connection through the output power distribution unit.
- Preserve T8850C and check the actual board revision, output module, cable and field supply design. Do not assume the ordinary P1 power connection is valid across the entire 60 Vdc maximum or that the FTA provides intrinsic-safety barriers or output fuses.
- Ratings describe the documented equipment, not packed dimensions, shipping weight or a certified supplied-unit origin.

04 OFFICIAL DOCUMENTATION

ICSTT-RM452D | PD-T8850 Issue 15 | Output FTA

PDF pp. 1, 11-12: output interface and grouping; pp. 13, 15: mounting and cables; pp. 17-21: terminals and conditional voltage limits.

PC002G - output FTA and C-suffix scope, PDF pp. 4 and 6

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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