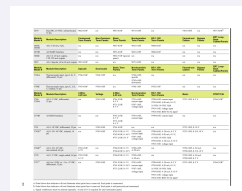


FIELD INSTALLATION QUICK GUIDE

Installation Instructions

9853-610

Analog output termination panel



PRODUCT	9853-610
FAMILY	Triconex safety system
FUNCTION	Analog output termination panel
STATUS	Verify exact installed equipment

Prepared by Amikon Limited from Triconex documentation. This guide supplements the complete manufacturer manual and site procedure.

01

CONFIRM THE ORDERED CONFIGURATION

Component Type	Analog output termination panel
Order Reference	9853-610
System Platform	Triconex safety control system
Primary Function	Terminates 4–20 mA analog outputs
Channel or Port Capacity	Eight current-loop channels
Electrical Classification	4–20 mA DC-coupled signals

02

PREPARATION AND CONNECTION

- Confirm the complete 9853-610 article number and installed revision.
- Isolate applicable electrical and process energy using the approved site procedure.
- Record every connector, cable, terminal, shield and protective-earth connection before removal.
- Install without forcing keyed parts, then secure terminals, latches, fasteners and cable supports.

OFFICIAL INSTALLATION REFERENCE

3674	Dual DO, 24 VDC, self-protected, 32 pts.	9662-610F	n/a	9653-610F	9671-610F	n/a	9101-010F	n/a	9671-810F ^b
Module Model #	Module Description	Commoned Term Panels	Non-Common Term Panels	Basic Term Panels	Nonincendive Term Panels	RG 1.180 Term Panels	Fanned-out Cables	Bypass Panels	ERT Loop-Back Cables/Panels
3805E 3805H	AO, 4–20 mA, 8 pts.	n/a	n/a	9853-610F	9861-610F	9860-610F	n/a	n/a	n/a
2870H	AO HART Interface	n/a	n/a	9853-610F	9861-610F	9860-610F	n/a	n/a	n/a
3806E	AO, 6.4–20 mA outputs, 2.20–320 mA outputs	n/a	n/a	9863-710F (special panel)	n/a	n/a	n/a	n/a	n/a
3807	AO, 4 bipolar–60 to 60 mA outputs	9881-810F	n/a	n/a	9871-810F	n/a	n/a	n/a	n/a
Module Model #	Module Description	Upscale	Downscale	Basic Term Panels	Nonincendive Term Panels	RG 1.180 Term Panels	Fanned-out Cables	Bypass Panels	ERT Loop-Back Cables/Panels
3706A	Thermocouple input, type J, K, T, differential, 32 pts.	9766-210F	9766-510F	n/a	9784-610F, upscale 9785-610F, downscale	n/a	n/a	n/a	n/a
3708E	Thermocouple input, type E, J, K, T, isolated, 16 pts.	9765-610F	9765-610F	n/a	9786-110F	9782-110F	n/a	n/a	n/a
Module Model #	Module Description	3-Wire 4-20 mA	Voltage	2-Wire 4-20 mA	Nonincendive Term Panels	RG 1.180 Term Panels	Basic	RTD/TC/AI	
3700 3700A	AI, 0-5 VDC, differential, 32 pts.	n/a	9763-810F	9761-210F, 0-5 V 9771-210F, 0-5 V	9791-610F, current input 9787-110F, voltage input	9790-610F, current input 9792-610F, 4-20 mA, 0-5 V, 16 VDC-56 VDC field 9783-110F, voltage input 9764-310F, RTD/TC/AI input ^c	9753-110F, 0-5 V	9764-310F ^c	
2770H	AI HART Interface	n/a	n/a	9761-210F, 0-5 V 9771-210F, 0-5 V	9791-610F, current input	9790-610F, current input	n/a	n/a	
3701	AI, 0-10 VDC, differential, 32 pts.	n/a	9763-810F	9761-410F	n/a	n/a	9753-110F, 0-10 V	n/a	
3703E ^d	AI, 0-5/0-10 VDC, isolated, 16 pts.	n/a	9763-810F	9762-210F, 0-5 V 9762-410F, 0-10 V 9771-210F, 0-5 V	9791-610F, current input 9787-110F, voltage input	9790-610F, 4-20 mA, 0-5 V 9792-610F, 4-20 mA, 0-5 V, 16 VDC-56 VDC field 9795-610F, 4-20 mA, 0-10 V 9783-110F, voltage input	9753-110F, 0-5/0-10 V	n/a	
3704E ^d	AI, 0-5/0-10 VDC, non-isolated, 64 pts.	9765-210F, 0-5V 9760-410F, 0-10 V	n/a	9760-210F, 0-5 V 9760-410F, 0-10 V	9789-610F, 4-20 mA	n/a	9750-210F, 4-20 mA 9750-810F, 0-5/0-10 V	n/a	
3720	AI, 0-5 VDC, single-ended, 64 pts.	9765-210F, 0-5 V	n/a	9760-210F, 0-5 V	9789-610F, 4-20 mA	n/a	9750-210F, 4-20 mA 9750-810F, 0-5 V	n/a	
3721 ^d	AI, 0 to 5 VDC or -5 to +5 VDC, differential, 32 pts.	n/a	9763-810F	9761-210F, 0-5 V 9761-410F, 0-10 V 9771-210F, 0-5 V	9791-610F, current input 9787-110F, voltage input	9790-610F, 4-20 mA, 0-5 V 9792-610F, 4-20 mA, 0-5 V, 16 VDC-56 VDC field 9795-610F, 4-20 mA, 0-10 V 9783-110F, voltage input 9764-310F, RTD/TC/AI input ^c	9753-110F, 0-5 V	9764-310F ^c	

- a. Point blown-fuse indicator will not illuminate when point fuse is removed. Each point is commoned.
b. Point blown-fuse indicator will not illuminate when point fuse is removed. Each point is self-protected and commoned.
c. Signal conditioners must be ordered separately. A total of 16 is required for each termination panel.
d. Signal conditioners must be ordered using the TriStation 1131 software.

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COMMISSIONING CHECKS

- 01 Confirm product identity and mechanical seating.
- 02 Verify the documented supply before energising.
- 03 Inspect polarity, shielding and protective-earth connections.
- 04 Restore power in the approved sequence and observe status indications.
- 05 Test each connected input, output or communication path.
- 06 Record diagnostics and functional-test results before return to service.

05

CONTROLLED DOCUMENT

Official source	Tricon Technical Product Guide
Product record	9853-610
Manufacturer	Triconex
Warranty	12 months from AMIKON
Support	INFO@AMIKON.CN

AMIKON PRODUCT SUPPORT

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