APTER■POWER

INDUSTRIAL AUTOMATION PRODUCT

9853-610

Eight-Point Basic Current Output Panel

Triconex 9853-610 is an eight-point basic current-output termination panel. It connects Tricon analog-output and HART-interface modules to powered 4-20 mA field loops.

IDENTITY	VERIFIED VALUE
Manufacturer	Triconex
System family	Tricon v9-v10 analog output termination
Part number	9853-610
Country	USA
HS code	8537101190

PRODUCT TECHNICAL REFERENCE

APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313

EMAIL sales13@apterpower.com

WEBSITE www.apterpower.com

2 Technical Specifications

Technical values below are limited to the named Triconex product record.

PARAMETER	TECHNICAL VALUE
Panel type	Current output; basic
Output points	8
Current output terminals	8 OUT
Current return terminals	8 RTN
Loop-power sources	Redundant 24 VDC
Compatible AO modules	3805E; 3805H
Compatible HART module	2870H
Module signal	4 to 20 mA
Module return	Commoned; DC coupled
Panel width	3 in (7.62 cm)
Panel length	5 in (12.7 cm)
Panel height	4.25 in (10.795 cm)
ETA number	3000400-530
Associated cable	4000098-510
Cable minimum bend radius	6.25 in (15.875 cm)

3 System Role and Architecture

Triconex 9853-610 is an eight-point basic current-output termination panel. It connects Tricon analog-output and HART-interface modules to powered 4-20 mA field loops.

FUNCTION 1

Terminates eight 4-20 mA current outputs and their return conductors

FUNCTION 2

Accepts redundant 24 VDC loop-power connections for analog output service

FUNCTION 3

Interfaces 3805E/3805H output modules or a 2870H HART output interface

FUNCTION 4

Requires a shorting jumper on every unused output point

Matched system components

- 3805E or 3805H analog-output module
- 2870H HART analog-output interface
- 4000098-510 I/O cable
- redundant 24 VDC loop-power sources

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	3805E or 3805H analog-output module
Companion hardware	2870H HART analog-output interface
Field connection	4000098-510 I/O cable
Primary system function	Terminates eight 4-20 mA current outputs and their return conductors
Controlled acceptance duty	Eight-loop control-valve output termination

4 Applications and Engineering Context

Eight-loop control-valve output termination

Terminates eight 4-20 mA current outputs and their return conductors

HART analog-output field interface

Accepts redundant 24 VDC loop-power connections for analog output service

Redundant loop-power cabinet wiring

Interfaces 3805E/3805H output modules or a 2870H HART output interface

Analog output panel replacement and loop test

Requires a shorting jumper on every unused output point

TECHNICAL NOTE

Retain at least one common RTN, install a shorting jumper on each unused point, preserve redundant loop-power polarity, and validate output current plus HART communication where configured.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	9853-610 / 9853-610 recorded
Physical interface	3805E or 3805H analog-output module
Companion check	2870H HART analog-output interface
Functional proof	Terminates eight 4-20 mA current outputs and their return conductors
Application test	Eight-loop control-valve output termination

5 Engineering Precautions

1. Verify 9853-610 and the 3805 or 2870H module assignment before field work.
2. Place every connected final element in its approved safe maintenance state.
3. Isolate both 24 VDC loop-power feeds and record polarity plus return connections.
4. Maintain at least one RTN connection and preserve the commoned-return arrangement.
5. Install a shorting jumper on every unused output point.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
Triconex 3664	Dual Digital Output Module	**Open product page**
Triconex 9662-610	24 VDC Digital Output Termination Panel	**Open product page**
Triconex 3008	Main Processor Module	**Open product page**
Triconex 8312	230 VAC Power Module	**Open product page**

MANUFACTURER SOURCE RECORD

Field Terminations Guide for Tricon v9-v10 Systems

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