

9853-610

Eight-Point Basic Current Output Panel

CONTROLLED ENGINEERING COPY

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.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	9853-610
Manufacturer part	9853-610
Hardware type	Current output; basic
System family	Tricon v9-v10 analog output termination



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01 PRE-INSTALLATION PLAN

- 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.

MATCHED HARDWARE

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

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
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

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED 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

FIELD 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.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	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

04 RETURN-TO-SERVICE RECORD

- ☐ Maintain the 4000098-510 cable bend radius and secure both connectors.
- ☐ Command representative currents and measure them at the field loop.
- ☐ Verify HART communication, LOAD status, and final process response before service.
- ☐ Confirm the intended process response before normal operation.

VERIFICATION RECORD

TECHNICIAN

DATE

CABINET / POSITION

FINAL DIAGNOSTIC STATE

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

SOURCE IDENTIFIERS

Field Terminations Guide for Tricon v9-v10 Systems
9700052-018, February 2009

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