

INDUSTRIAL AUTOMATION PRODUCT

8C-PAON01

Series 8 Non-HART Analog Output Module

Honeywell 8C-PAON01 is a 16-channel Series 8 non-HART analog output module. It converts controller commands into current-loop outputs for matched field termination hardware.

IDENTITY	VERIFIED VALUE
Manufacturer	Honeywell
System family	Experion Series 8 I/O
Part number	51454357-175
Country	USA
HS code	8537101190

APTER POWER SALES TEAM

WHATSAPP / PHONE

EMAIL

WEBSITE

+86 180 3023 5313

sales13@apterpower.com

www.apterpower.com



8C-PAON01

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Technical Specifications

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

PARAMETER	TECHNICAL VALUE
Output channels	16
Output function	Analog output
Communication	Non-HART
Connector	DB37

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System Role and Architecture

Honeywell 8C-PAON01 is a 16-channel Series 8 non-HART analog output module. It converts controller commands into current-loop outputs for matched field termination hardware.

FUNCTION 1

Generates analog control commands

FUNCTION 2

Interfaces non-HART final elements

FUNCTION 3

Pairs with a Series 8 output IOTA

FUNCTION 4

Supports redundant I/O arrangements

Matched system components

- Series 8 analog-output IOTA
- C300 controller
- DB37 field interface
- Analog final elements

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Applications and Engineering Context

Control-valve positioning

Generates analog control commands

Variable-speed drive references

Interfaces non-HART final elements

Damper command loops

Pairs with a Series 8 output IOTA

Process dosing outputs

Supports redundant I/O arrangements

TECHNICAL NOTE

Place final elements in a controlled state, confirm the matched IOTA and output-loop polarity, then stroke each loop at a limited command value.

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5 Engineering Precautions

- 1 Verify the complete 8C-PAON01 marking and the assigned Experion Series 8 I/O position before field work.
- 2 Isolate the applicable power, network and field energy before disconnecting 8C-PAON01.
- 3 Use ESD controls and protect the keyed connectors of 8C-PAON01 during handling.
- 4 Record the installed wiring, jumpers, node or channel assignment before replacement.
- 5 Confirm Series 8 analog-output IOTA and C300 controller against the approved system configuration.
- 6 Restore 8C-PAON01 under controlled conditions and review the product-specific diagnostics.
- 7 Complete a functional test for control-valve positioning before production release.

MANUFACTURER SOURCE RECORD

Honeywell PlantCruise Series 8 I/O Specification

Series 8 controller and I/O table

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