

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.

PRODUCT SNAPSHOT

BRAND

Honeywell

FAMILY

Experion Series 8 I/O

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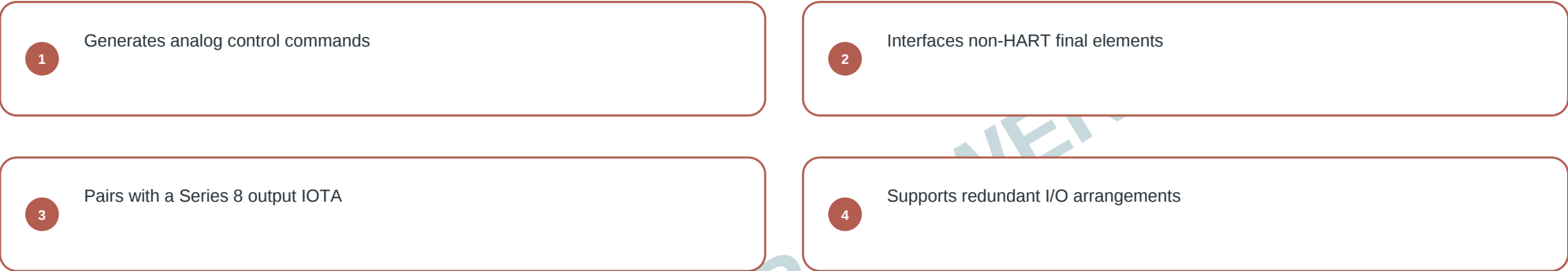
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PRODUCT OVERVIEW

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.



SYSTEM COMPONENTS



TECHNICAL DATA

PARAMETER	VALUE
Output channels	16
Output function	Analog output

PARAMETER	VALUE
Communication	Non-HART
Connector	DB37

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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.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

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

PRODUCT 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.

ENGINEER FAQ

Q1 Which Series 8 analog-output IOTA identity must be verified before fitting the 8C-PAON01 Series 8 Non-HART Analog Output Module?

Match the complete 8C-PAON01 marking, assigned Experion Series 8 I/O position and installed Series 8 analog-output IOTA before work.

Q2 How should C300 controller be isolated before disconnecting the 8C-PAON01 Series 8 Non-HART Analog Output Module?

Place the affected process in its approved maintenance state, isolate applicable energy and prove C300 controller safe before disconnection.

Q3 What as-found wiring record is required for the 8C-PAON01 Series 8 Non-HART Analog Output Module in Control-valve positioning?

Record terminal identity, polarity, shields, jumpers, cable tags and the as-found diagnostic state for 8C-PAON01.

Q4 Which Experion Series 8 I/O configuration must be checked when commissioning the 8C-PAON01 Series 8 Non-HART Analog Output Module?

Verify the assigned channel, slot, node or interface and compare it with the approved Experion Series 8 I/O configuration before enabling 8C-PAON01.

Q5 How can the 8C-PAON01 Series 8 Non-HART Analog Output Module be function-tested for Variable-speed drive references without disturbing the process?

Use a controlled stimulus or limited command, observe the expected system indication and confirm the intended response while normal interlocks remain effective.

Q6 Which diagnostics should be reviewed if the 8C-PAON01 Series 8 Non-HART Analog Output Module stops performing its assigned system function?

Check seating, the matched Series 8 analog-output IOTA, the condition of C300 controller and the model-specific diagnostics before replacing more hardware.

Q7 Can the 8C-PAON01 Series 8 Non-HART Analog Output Module used for Damper command loops be transferred to another Experion Series 8 I/O position without engineering review?

No. Confirm the hardware execution, connector scheme and approved Experion Series 8 I/O configuration before transferring 8C-PAON01 to a different duty.

Q8 What evidence should be retained after the 8C-PAON01 Series 8 Non-HART Analog Output Module returns to Process dosing outputs service?

Retain the physical identification, as-left wiring or configuration, final diagnostics and controlled functional-test result for 8C-PAON01.

SOURCE Honeywell PlantCruise Series 8 I/O Specification | Series 8 controller and I/O table

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