

CC-PAON01

Non-HART Analog Output Module

Honeywell CC-PAON01 is a 16-channel non-HART analog-output module that generates 4-20 mA control signals for field actuators.

PRODUCT SNAPSHOT

BRAND

Honeywell

FAMILY

Experion Series C I/O

PART

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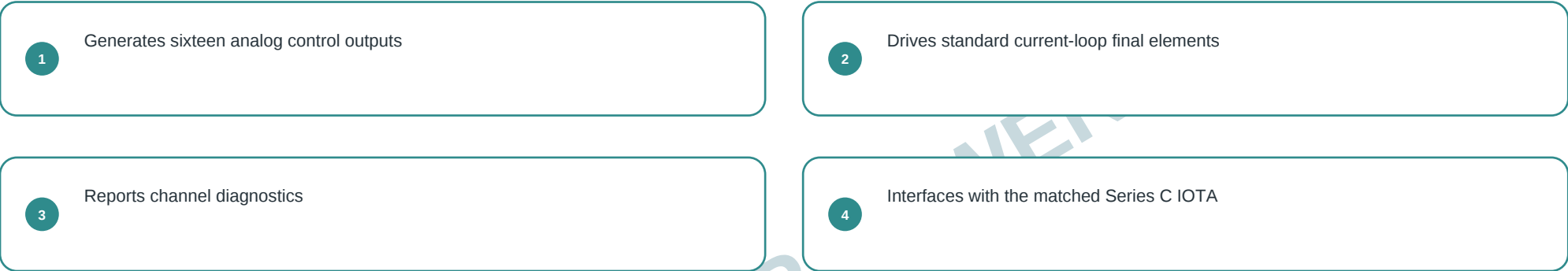
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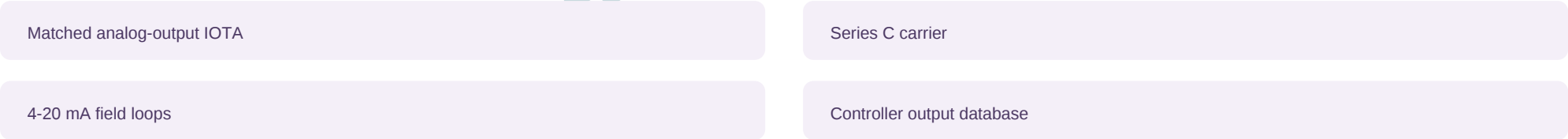
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PRODUCT OVERVIEW

Honeywell CC-PAON01 is a 16-channel non-HART analog-output module that generates 4-20 mA control signals for field actuators.



SYSTEM COMPONENTS



TECHNICAL DATA

PARAMETER	VALUE
Output channels	16
Output signal	4 to 20 mA
Communication	Non-HART

PARAMETER	VALUE
Conversion	16-bit
Module type	Analog output

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TECHNICAL NOTE

Place final elements in a controlled state, verify loop polarity and prove output direction at a low-risk command value.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Control-valve positioning

Generates sixteen analog control outputs

Variable-speed drive references

Drives standard current-loop final elements

Damper command loops

Reports channel diagnostics

Chemical dosing setpoints

Interfaces with the matched Series C IOTA

PRODUCT PRECAUTIONS

- 1 Verify the complete CC-PAON01 marking and its assigned Experion Series C I/O position before work.
- 2 Isolate the applicable power and field energy before disconnecting CC-PAON01.
- 3 Protect CC-PAON01 connectors and electronic assemblies with approved ESD controls.
- 4 Record the installed wiring, channel assignment and configuration before replacement.
- 5 Match Matched analog-output IOTA and Series C carrier to the documented system arrangement.
- 6 Commission CC-PAON01 with controlled status, signal and diagnostic checks.
- 7 Retain the final control-valve positioning functional-test result in the maintenance record.

ENGINEER FAQ

Q1 Does CC-PAON01 match Matched analog-output IOTA in a Control-valve positioning installation?

Verify the complete CC-PAON01 marking, the documented Experion Series C I/O position and the installed Matched analog-output IOTA before fitting the assembly.

Q2 How should CC-PAON01 be wired when it must generates sixteen analog control outputs?

Isolate the circuit, identify every terminal and reproduce the approved polarity, shield and channel assignment for CC-PAON01; then continuity-test the affected path.

Q3 Which Experion Series C I/O records should be captured before removing CC-PAON01?

Record the as-found wiring, installed position, active configuration and diagnostic state associated with CC-PAON01 before disconnection.

Q4 What controlled test confirms that CC-PAON01 can drives standard current-loop final elements?

Apply the approved field or simulated stimulus, observe the Experion Series C I/O indication and confirm the intended response without bypassing the normal interlocks.

Q5 Which Series C carrier condition should be checked when CC-PAON01 reports an abnormal state?

Check the Series C carrier supply, seating and connection first, then compare channel diagnostics with the recorded CC-PAON01 baseline.

Q6 Can CC-PAON01 be moved directly into Variable-speed drive references without validating Controller output database?

No. Confirm the Controller output database, revision, connection scheme and Experion Series C I/O configuration before transferring CC-PAON01 to that duty.

Q7 What maintenance evidence is required after CC-PAON01 is used for Damper command loops?

Retain the nameplate record, corrective action, final diagnostics and a controlled damper command loops functional-test result for CC-PAON01.

Q8 How should CC-PAON01 be returned to service in Chemical dosing setpoints?

Restore power under control, verify reports channel diagnostics, exercise the intended signal path and release CC-PAON01 only after the Experion Series C I/O remains in its approved operating state.

SOURCE Honeywell Series C I/O Specification | EP03-490-520 V10

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