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	51410070-176
ORIGIN / HS	USA / 8537101190

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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.

1. Generates sixteen analog control outputs
2. Drives standard current-loop final elements
3. Reports channel diagnostics
4. Interfaces with the matched Series C IOTA

SYSTEM COMPONENTS

- Matched analog-output IOTA
- Series C carrier
- 4-20 mA field loops
- Controller output database

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

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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