

CC-PAOH01

HART Analog Output Module

Honeywell CC-PAOH01 is a 16-channel HART analog-output module that drives 4-20 mA final elements and exchanges HART device information.

PRODUCT SNAPSHOT

BRAND

Honeywell

FAMILY

Experion Series C I/O

PART

51405039-176

ORIGIN / HS

USA / 8537101190

APTER POWER SALES TEAM

WHATSAPP / PHONE

+86 180 3023 5313

EMAIL

sales13@apterpower.com

WEBSITE

www.apterpower.com



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PRODUCT OVERVIEW

Honeywell CC-PAOH01 is a 16-channel HART analog-output module that drives 4-20 mA final elements and exchanges HART device information.

1

Generates sixteen HART analog outputs

2

Carries digital device communication

3

Supports smart final-element diagnostics

4

Pairs with the Series C output IOTA

SYSTEM COMPONENTS

Matched HART output IOTA

HART valve positioners

Series C carrier

Output-loop power system

TECHNICAL DATA

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

PARAMETER	VALUE
Conversion	16-bit
Module type	Analog output

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TECHNICAL NOTE

Verify the final-element safe state and output-loop polarity before enabling the channel, then test analog stroke and HART access separately.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Smart valve positioners

Generates sixteen HART analog outputs

HART actuator diagnostics

Carries digital device communication

VFD analog references

Supports smart final-element diagnostics

Process damper positioning

Pairs with the Series C output IOTA

PRODUCT PRECAUTIONS

- 1 Verify the complete CC-PAOH01 marking and its assigned Experion Series C I/O position before work.
- 2 Isolate the applicable power and field energy before disconnecting CC-PAOH01.
- 3 Protect CC-PAOH01 connectors and electronic assemblies with approved ESD controls.
- 4 Record the installed wiring, channel assignment and configuration before replacement.
- 5 Match Matched HART output IOTA and HART valve positioners to the documented system arrangement.
- 6 Commission CC-PAOH01 with controlled status, signal and diagnostic checks.
- 7 Retain the final smart valve positioners functional-test result in the maintenance record.

ENGINEER FAQ

Q1 Does CC-PAOH01 match Matched HART output IOTA in a Smart valve positioners installation?

Verify the complete CC-PAOH01 marking, the documented Experion Series C I/O position and the installed Matched HART output IOTA before fitting the assembly.

Q2 How should CC-PAOH01 be wired when it must generates sixteen hart analog outputs?

Isolate the circuit, identify every terminal and reproduce the approved polarity, shield and channel assignment for CC-PAOH01; then continuity-test the affected path.

Q3 Which Experion Series C I/O records should be captured before removing CC-PAOH01?

Record the as-found wiring, installed position, active configuration and diagnostic state associated with CC-PAOH01 before disconnection.

Q4 What controlled test confirms that CC-PAOH01 can carries digital device communication?

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 HART valve positioners condition should be checked when CC-PAOH01 reports an abnormal state?

Check the HART valve positioners supply, seating and connection first, then compare channel diagnostics with the recorded CC-PAOH01 baseline.

Q6 Can CC-PAOH01 be moved directly into HART actuator diagnostics without validating Output-loop power system?

No. Confirm the Output-loop power system, revision, connection scheme and Experion Series C I/O configuration before transferring CC-PAOH01 to that duty.

Q7 What maintenance evidence is required after CC-PAOH01 is used for VFD analog references?

Retain the nameplate record, corrective action, final diagnostics and a controlled vfd analog references functional-test result for CC-PAOH01.

Q8 How should CC-PAOH01 be returned to service in Process damper positioning?

Restore power under control, verify supports smart final-element diagnostics, exercise the intended signal path and release CC-PAOH01 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

+86 180 3023 5313 | sales13@apterpower.com | www.apterpower.com