

INDUSTRIAL AUTOMATION PRODUCT

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.

IDENTITY	VERIFIED VALUE
Manufacturer	Honeywell
System family	Experion Series C I/O
Part number	51405039-176
Country	USA
HS code	8537101190

APTER POWER SALES TEAM

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CC-PAOH01

2

Technical Specifications

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

PARAMETER	TECHNICAL VALUE
Output channels	16
Output signal	4 to 20 mA
Communication	HART
Conversion	16-bit
Module type	Analog output

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3

System Role and Architecture

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

FUNCTION 1

Generates sixteen HART analog outputs

FUNCTION 2

Carries digital device communication

FUNCTION 3

Supports smart final-element diagnostics

FUNCTION 4

Pairs with the Series C output IOTA

Matched system components

- Matched HART output IOTA
- HART valve positioners
- Series C carrier
- Output-loop power system

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4

Applications and Engineering Context

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

TECHNICAL NOTE

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

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5

Engineering 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.

MANUFACTURER SOURCE RECORD

Honeywell Series C I/O Specification

EP03-490-520 V10

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