

PRODUCT INFORMATION DASHBOARD

Honeywell CC-PAOX01 51405039-275

Analog Output Module

Honeywell CC-PAOX01 51405039-275 is a sixteen-channel Series C analog output module that delivers 4-20 mA signals without HART and supports per-channel fail-option behavior.

PRODUCT ROLE

16 independent 4-20 mA outputs

SYSTEM

Experion Series C analog output

INTERFACE

Per-channel HOLD or SHED behavior

SERVICE FOCUS

Nonredundant or redundant IOTA options

Exact-model highlights

- 16 independent 4-20 mA outputs
- Per-channel HOLD or SHED behavior
- Open-wire detection
- Nonredundant or redundant IOTA options

Release questions

IDENTITY

Is the complete CC-PAOX01 51405039-275 code confirmed?

INTERFACE

Do field signals and companion equipment match?

SETTINGS

Are installed parameters and mappings preserved?

ACCEPTANCE

Have normal, fault and recovery states been tested?

Technical data

Output type	4-20 mA
Output channels	16
HART support	No
Settable current range	0 mA; 2.9 to 21.1 mA
Maximum resistive load	800 Ohm at 22-28 VDC supply
Maximum compliant voltage	16 V
Output ripple	Less than 100 mV peak-to-peak across 250 Ohm
Temperature drift	0.005% of full scale per degree C
Linearity	+/-0.05% of full scale nominal
Calibrated accuracy	+/-0.35% of full scale at 25 degrees C

Application safeguards

SAFEGUARD 1

Match both identifiers CC-PAOX01 and 51405039-275 before removing the installed module.

SAFEGUARD 2

Record all sixteen channel assignments, engineering ranges and FAILOPT selections before work.

SAFEGUARD 3

Confirm whether the installed IOTA is nonredundant, redundant or galvanically isolated.

SAFEGUARD 4

Isolate field-loop energy and verify polarity before disconnecting any analog output conductor.

Common applications

Control-valve positioning

Sends continuous current commands to analog valve actuators.

Variable-speed drive reference

Provides a 4-20 mA demand signal to compatible drive inputs.

Panel indication

Drives current-input recorders and indicating instruments from Series C control.

Redundant process output

Uses the redundant IOTA arrangement where output availability requires paired hardware.

Interface checklist

- Nonredundant IOTA: CC-TAOX01, 6-inch
- Redundant IOTA: CC-TAOX11, 12-inch
- Galvanically isolated IOTAs: CC-GAOX21 nonredundant; CC-GAOX11 redundant
- Field circuit: High-level constant-current output to actuator or recording/indicating load

Installation snapshot

STEP 1

Photograph the CC-PAOX01 51405039-275 label and IOTA position.

STEP 2

Export channel configuration, scaling, alarms and HOLD or SHED selections.

STEP 3

Confirm process isolation and place connected actuators in safe local control.

STEP 4

Isolate field-loop energy and label polarity for all serviced conductors.

Model-specific FAQ

Q1 How many outputs are provided by Honeywell CC-PAOX01 51405039-275?

The module provides sixteen high-level analog output channels.

Q2 What signal range does Honeywell CC-PAOX01 51405039-275 generate?

Its standard field output is 4-20 mA, with directly settable values of 0 mA or 2.9 to 21.1 mA.

Q3 Does Honeywell CC-PAOX01 51405039-275 support HART communication?

No. CC-PAOX01 is the non-HART sixteen-channel analog output model.

Q4 Which fail-option behaviors are available on Honeywell CC-PAOX01 51405039-275?

Each channel can be configured to hold its last value or shed to a safe value.

Q5 What maximum load applies to Honeywell CC-PAOX01 51405039-275?

The maximum resistive load is 800 Ohm when the 24 V supply is within 22 to 28 VDC.

Q6 Which IOTAs support Honeywell CC-PAOX01 51405039-275?

The listed options include CC-TAOX01 and CC-TAOX11, plus CC-GAOX21 and CC-GAOX11 for galvanically isolated arrangements.

Q7 How does Honeywell CC-PAOX01 51405039-275 detect field wiring faults?

The module detects an open field wire and reports a channel soft-failure indication.

Q8 What should be measured during Honeywell CC-PAOX01 51405039-275 commissioning?

Verify output current at representative command points, readback agreement, loop load, open-wire alarm and the configured HOLD or SHED response.

Product precautions

- 1

Match both identifiers CC-PAOX01 and 51405039-275 before removing the installed module.
- 2

Record all sixteen channel assignments, engineering ranges and FAILOPT selections before work.
- 3

Confirm whether the installed IOTA is nonredundant, redundant or galvanically isolated.
- 4

Isolate field-loop energy and verify polarity before disconnecting any analog output conductor.
- 5

Keep the connected load within the 800 Ohm limit for the specified supply range.
- 6

Do not treat CC-PAOX01 as a HART output module when checking field-device communication.
- 7

Simulate HOLD and SHED behavior only under an approved process-safe test condition.
- 8

Prove current scaling, readback, open-wire alarm and final actuator response on every serviced channel.

Related products

Verified related products on ApterPower

- Honeywell MU-TAOX12 51304335-125**

Honeywell DCS portfolio reference

[View Honeywell MU-TAOX12 51304335-125](#)
- Honeywell CC-PAON01 51410070-175**

Series C portfolio reference

[View Honeywell CC-PAON01 51410070-175](#)
- Honeywell CC-PPIX01 51410089-175**

Series C portfolio reference

[View Honeywell CC-PPIX01 51410089-175](#)

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Share the exact CC-PAOX01 51405039-275 nameplate, application and required quantity for a model-specific quotation.

