Honeywell CC-PAON01 51410070-176

Non-HART Analog Output / Exact identity and technical profile

This reference isolates the exact published characteristics and engineering boundary of Honeywell CC-PAON01 without borrowing values from a neighboring model.

Published model	CC-PAON01
Supplied identifier	51410070-176
Output type	4-20 mA constant current
Output channels	16
Communication	Non-HART
Resolution	16-bit

TECHNICAL MARKER

16 output channels

TECHNICAL MARKER

4-20 mA constant-current output

TECHNICAL MARKER

Non-HART signal path

TECHNICAL MARKER

Optional module redundancy

Technical boundary

The exact model and its published data govern this reference. Similar family names, suffixes or physical appearance do not establish the same electrical or software behavior.

Identity evidence	Read CC-PAON01 51410070-176 from the installed label and procurement record
Function evidence	Confirm the published non-hart analog output role in the Experion Series C I/O system
Configuration evidence	Retain the project, mapping, range, address or interface assigned to this position
Release evidence	Link final diagnostics to a witnessed field or operator response

TECHNICAL DECISION

Accept CC-PAON01 51410070-176 only when its identifier and installed-system role agree.

CHANGE BOUNDARY

Any redesign beyond the documented CC-PAON01 51410070-176 position requires separate engineering approval.

Honeywell CC-PAON01 51410070-176

Non-HART Analog Output / Published characteristics

This matrix groups the published CC-PAON01 51410070-176 characteristics that control identification, configuration and engineering review. Each entry remains tied to the exact non-hart analog output record.

Published model	CC-PAON01
Supplied identifier	51410070-176
Output type	4-20 mA constant current
Output channels	16
Communication	Non-HART
Resolution	16-bit
Accuracy	±0.05% full scale
Output temperature drift	0.005% full scale/°C
IOTA options	CC-TAON01 non-redundant; CC-TAON11 redundant
Safe-state behavior	Configurable per channel
Open-wire diagnostic	Channel soft-failure indication
Isolation	Galvanic isolation from controller electronics

INTERPRETATION

Use every CC-PAON01 51410070-176 value with the exact installed configuration.

DESIGN RECORD

Retain the drawing, project and channel or interface assignments that make CC-PAON01 51410070-176 data actionable.

Nameplate check	Manufacturer and full reference agree with the controlled record
Range check	Published operating or signal data agree with the configured use
Interface check	Backplane, terminal, cable, network or memory arrangement is documented
Limit check	Loading, channel count, supply or lifecycle constraint is reviewed
Evidence close	Source title and applicable product record are retained with the decision

NO BORROWED VALUES

Another Honeywell suffix cannot fill a missing CC-PAON01 51410070-176 parameter.

ENGINEERING OUTPUT

Record the exact value used, its purpose and any unresolved item before selection.

Honeywell CC-PAON01 51410070-176

Non-HART Analog Output / System role and data flow

Conventional valve positioning

Supplies 4-20 mA commands to non-HART valve positioners.

Drive speed references

Provides supervised current references to approved variable-speed drives.

Damper and actuator control

Commands standard current-loop final elements without HART communication.

Process setpoint output

Delivers controller-generated analog setpoints to indicating or recording devices.

Signal and configuration path

Field layer	Sensors, loads, terminal or operator interface assigned by the design
Module layer	CC-PAON01 51410070-176 performs its published non-hart analog output role
Control layer	PLC project, address map or runtime application interprets the exchanged data
Acceptance layer	Diagnostics and intended process response are witnessed together

Engineering boundary

Application examples describe system roles only. They do not establish automatic interchangeability, replacement approval or suffix equivalence.

Observed input	Field, network or operator condition presented to CC-PAON01 51410070-176
Published action	The documented non-hart analog output function processes that condition
Configured interpretation	PLC logic, HMI project or station mapping assigns system meaning
Expected output	A defined state, value, message or command is produced
Acceptance proof	The complete path is witnessed under controlled conditions

APPLICATION RECORD

Tie each CC-PAON01 51410070-176 use case to the installed drawing or project tag.

EXCEPTION CONTROL

Document and resolve any behavior that differs from the approved response.

Honeywell CC-PAON01 51410070-176

Non-HART Analog Output / Engineering decisions

SUPPORTED IDENTITY

CC-PAON01 51410070-176

PUBLISHED FUNCTION

Non-HART Analog Output

SYSTEM CONTEXT

Experion Series C I/O

UNSUPPORTED INFERENCE

A nearby model, suffix or family resemblance

Model-specific questions

How many non-HART analog outputs are provided by CC-PAON01 51410070-176?

Honeywell specifies sixteen 4-20 mA output channels for CC-PAON01.

What output accuracy is published for CC-PAON01 51410070-176?

The Series C specification lists accuracy of ±0.05% of full scale.

Can the safe state be selected independently on CC-PAON01 51410070-176?

Yes. Safe-state behavior is configurable on a per-channel basis.

What should be recorded before disconnecting CC-PAON01 51410070-176?

Record channel mapping, commanded value, safe value, loop polarity, load and the as-found diagnostic state.

Which IOTA models are paired with CC-PAON01 51410070-176?

CC-TAON01 is the non-redundant IOTA and CC-TAON11 is the redundant IOTA for this module.

How is a field-open condition reported by CC-PAON01 51410070-176?

An open field wire is annunciated as a channel soft-failure indication.

Why must the -176 suffix be checked on the actual label of CC-PAON01 51410070-176?

The official functional specification confirms CC-PAON01, but the located document does not define the -176 suffix association.

Which test completes commissioning of CC-PAON01 51410070-176?

Verify measured loop current and final-element response at controlled low, mid and high commands, then review diagnostics.

Decision closeout

Close the CC-PAON01 51410070-176 technical review with the exact identifier, applicable published limits and the installed configuration assumptions explicitly recorded.

Question coverage	Identity, function, configuration and field handling addressed
Open item	Any unanswered exact-model point is listed without guessed data
Decision owner	Responsible engineering or maintenance role identified
Supporting record	Drawing, project revision, readings and witnessed result attached

APPROVAL

The CC-PAON01 51410070-176 decision is accepted only within the documented scope.

REVIEW TRIGGER

A different suffix, wiring arrangement, project or application requires a new review.

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Non-HART Analog Output / Evidence and support

Exact product	Honeywell CC-PAON01 51410070-176
Technical class	Non-HART Analog Output
Platform	Experion Series C I/O
Evidence use	Exact-model characteristics and engineering boundary
Record with	Installed drawing, project and acceptance evidence

Retained evidence	Nameplate, source title, configuration baseline and field record
Installation evidence	Isolation, conductor/connector record and post-work inspection
Commissioning evidence	Diagnostics, measurements and intended response
Final record	Responsible witness, date, exceptions and approved disposition

VERIFIED APTER POWER CATALOG REFERENCES

Navigation only; compatibility, substitution and manufacturer endorsement are not implied.

Honeywell 38500143-200 Redundant 110 Vac LCNE Hub Assembly	View Honeywell 38500143-200 Redundant 110 Vac LCNE Hub Assembly page
Honeywell MC-PRHM01 Remote Hardened Multiplexer I/O Processor	View Honeywell MC-PRHM01 Remote Hardened Multiplexer I/O Processor page

MANUFACTURER EVIDENCE RECORD

Honeywell Series C I/O Specification

EP03-490-520 Version 1.5

CONTACT APTER POWER

WHATSAPP / PHONE +86 180 3023 5313

EMAIL sales13@apterpower.com

WEBSITE www.apterpower.com

Send the exact model, quantity, destination and requested condition for a quotation.