

Four-Channel Analog Output Module

Honeywell 900B01-0101 is a four-channel HC900 analog output module. It supplies isolated 0–20 mA control signals to connected final elements.

IDENTITY RECORD

MANUFACTURER Honeywell	FAMILY HC900 Process Controller
EXACT MODEL 900B01-0101	PRIMARY DUTY Control-valve commands

APTER POWER SALES TEAM

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REFERENCE PURPOSE

- 1 Establish the exact product identity and installed-system boundary.
- 2 Summarize manufacturer-supported technical data without transferring values from a similar model.
- 3 Provide a compact engineering path for selection, replacement and controlled commissioning.
- 4 Link verified related Apter Power product pages for adjacent family hardware.

TECHNICAL DATA

Output channels	4
Output range	0–20 mA
Output isolation	Channel isolated
Controller family	HC900
Signal domain	Analog current output
Installation form	HC900 rack I/O module

ENGINEERING NOTE

Verify channel scaling and loop polarity with final elements secured, then test each output from a low command to the intended operating range.

TECHNICAL VERIFICATION MATRIX

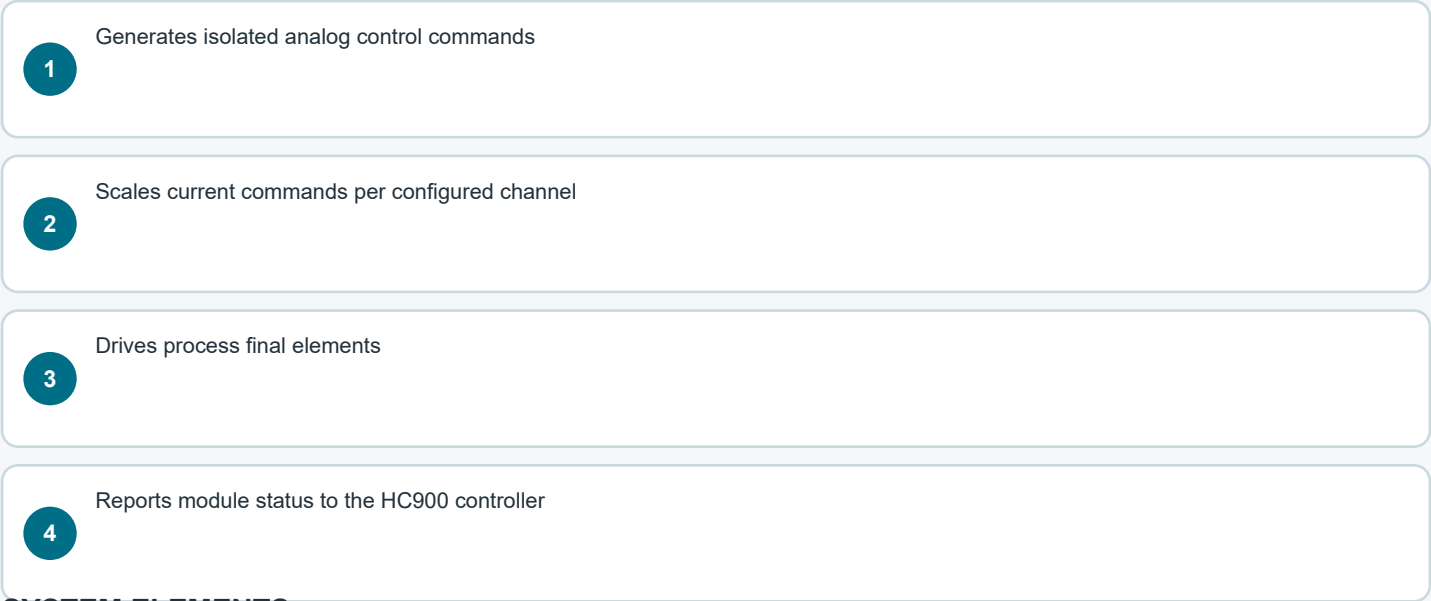
Identity control	Full model marking 900B01-0101 and installed execution
Host-system boundary	HC900 Process Controller
Companion hardware	HC900 I/O rack / HC900 controller
Acceptance evidence	Documented control-valve commands functional result

MANUFACTURER SOURCE RECORD

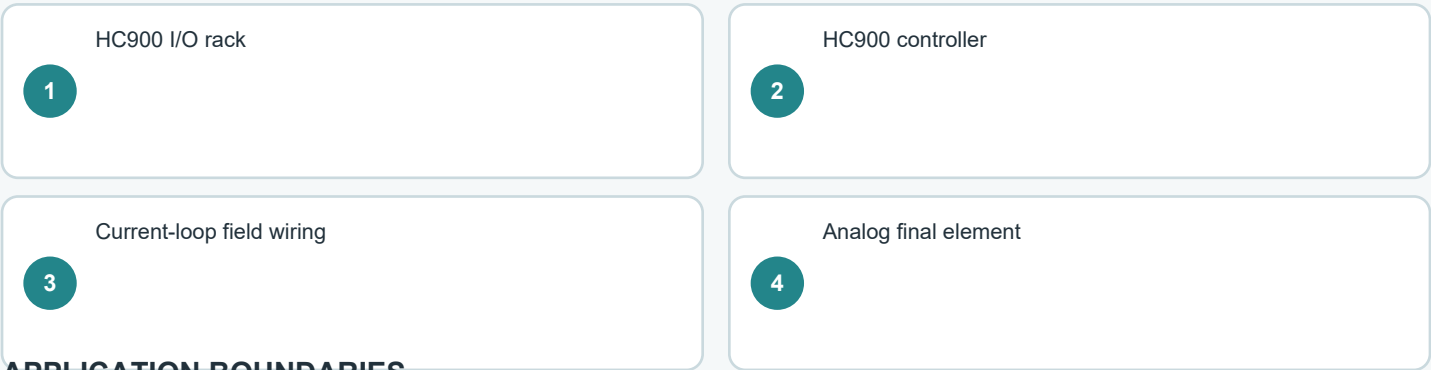
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Functional path and compatible system elements

FUNCTIONAL PATH



SYSTEM ELEMENTS



APPLICATION BOUNDARIES

Control-valve commands	Generates isolated analog control commands
Drive speed references	Scales current commands per configured channel
Dosing-pump setpoints	Drives process final elements
Process damper positioning	Reports module status to the HC900 controller

CONTROLLED WORK SEQUENCE

- 1

Verify the complete 900B01-0101 marking, hardware execution and assigned HC900 Process Controller position.
- 2

Place the process in the approved maintenance state and isolate every applicable energy source.
- 3

Record as-found wiring, shields, jumpers, cable tags, slot identity and diagnostics before removing 900B01-0101.
- 4

Use ESD controls and protect keyed connectors, terminals and assemblies while handling 900B01-0101.
- 5

Confirm the installed HC900 I/O rack and HC900 controller against approved drawings and configuration records.
- 6

Inspect mating hardware, terminal condition, grounding and mechanical retention before installation.
- 7

Restore power or network service in controlled stages; confirm status indications before functional commands.
- 8

Complete a documented functional test for control-valve commands and retain the as-left record.

DIAGNOSTIC DECISION GATE

If the expected response is absent, do not immediately transfer configuration or replace adjacent hardware. Recheck identity, seating, supply or network state, terminations, channel assignment and manufacturer diagnostics; then repeat the controlled test.

Related family pages, engineer FAQ and source record

Related HC900 Process Controller products on Apter Power

MODEL	SERIES / SYSTEM ROLE	APTER POWER PAGE
900B08-0202	HC900 900B-series analog module	Open product page
900G02-0102	16-channel 24 Vdc digital input module	Open product page
900G03-0102	16-channel 120/240 Vac digital input module	Open product page
900H03-0102	8-channel 120/240 Vac digital output module	Open product page
900H02-0202	HC900 900H-series output module	Open product page

ENGINEER FAQ

Q1	What must be matched before installation?	Match the full 900B01-0101 marking, revision or execution, assigned position and installed companion hardware.
Q2	What should be isolated first?	Use the site's approved maintenance state and isolate the energy sources serving HC900 I/O rack and HC900 controller.
Q3	What as-found record is required?	Record terminal identity, polarity, shields, jumpers, cable tags, configuration and diagnostic status.
Q4	Which compatibility check is mandatory?	Compare the HC900 Process Controller slot, interface, companion hardware and wiring scheme with approved project documentation.
Q5	How should commissioning begin?	Begin with visual and continuity checks, then restore service in stages and observe normal status indications.
Q6	How should the assigned function be proved?	Use a controlled test for control-valve commands while required interlocks and process safeguards remain effective.
Q7	What should be checked after an abnormal result?	Recheck seating, terminations, supply or network condition, channel assignment and manufacturer diagnostics before further replacement.
Q8	What evidence should be retained?	Retain the 900B01-0101 identity, as-left wiring/configuration, final diagnostics and functional-test result.

MANUFACTURER SOURCE RECORD

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