900B01-0101

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.

APTER POWER SALES TEAM

WHATSAPP / PHONE	+86 180 3023 5313
EMAIL	sales13@apterpower.com
WEBSITE	www.apterpower.com

SCAN FOR PRODUCT & QUOTE

900B01-0101

PRODUCT SNAPSHOT

BRAND
Honeywell

FAMILY
HC900 Process Controller

MODEL
900B01-0101

DOCUMENT SET
Technical reference / field workbook / complete information

OFFICIAL PRODUCT DESCRIPTION

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

FUNCTION MAP

1. Generates isolated analog control commands
2. Scales current commands per configured channel
3. Drives process final elements
4. Reports module status to the HC900 controller

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.

COMMON APPLICATIONS

1. Control-valve commands
2. Drive speed references
3. Dosing-pump setpoints
4. Process damper positioning

COMPATIBILITY REVIEW

IDENTITY Exact model and hardware execution: 900B01-0101	**HOST PLATFORM** HC900 Process Controller
PRIMARY COMPANION HC900 I/O rack	**SECONDARY COMPANION** HC900 controller
FIELD BOUNDARY Current-loop field wiring	**ACCEPTANCE DUTY** Control-valve commands

MANUFACTURER SOURCE RECORD

Honeywell HC900 Process Controller Installation and User Guide | 51-52-25-107 Revision 18

Selection boundary: never transfer ratings, wiring, configuration or compatibility from a visually similar model. Confirm the complete physical label and the manufacturer record for the installed system.

PRODUCT PRECAUTIONS

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.

COMMISSIONING ACCEPTANCE

MECHANICAL Correct position, retention and terminal condition	**ELECTRICAL / NETWORK** Supply, grounding, shields, polarity and continuity confirmed
CONFIGURATION Slot, channel, range and companion hardware match approved records	**FUNCTIONAL** Controlled control-valve commands test completed without abnormal diagnostics

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 — 8 MODEL-SPECIFIC CHECKS

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

Honeywell HC900 Process Controller Installation and User Guide | 51-52-25-107 Revision 18