

900G02-0102

Sixteen-Channel 24 Vdc Digital Input Module

Honeywell 900G02-0102 is a 16-channel 24 Vdc digital input module for HC900. It converts field contact states into controller input data.

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SCAN FOR PRODUCT & QUOTE

900G02-0102

PRODUCT SNAPSHOT

BRAND

Honeywell

FAMILY

HC900 Process Controller

MODEL

900G02-0102

DOCUMENT SET

Technical reference / field workbook / complete information

OFFICIAL PRODUCT DESCRIPTION

Honeywell 900G02-0102 is a 16-channel 24 Vdc digital input module for HC900. It converts field contact states into controller input data.

FUNCTION MAP



TECHNICAL DATA

INPUT CHANNELS 16	INPUT VOLTAGE 24 Vdc
SIGNAL TYPE Digital input	CONTROLLER FAMILY HC900
FIELD DOMAIN Discrete status circuits	INSTALLATION FORM HC900 rack I/O module

ENGINEERING NOTE

Confirm the field reference and channel-common arrangement, then prove each field state and its configured controller indication.

COMMON APPLICATIONS

1

Valve limit-switch feedback

2

Motor running status

3

Package alarm contacts

4

Machine permissive inputs

COMPATIBILITY REVIEW

IDENTITY Exact model and hardware execution: 900G02-0102	HOST PLATFORM HC900 Process Controller
PRIMARY COMPANION HC900 I/O rack	SECONDARY COMPANION 24 Vdc field supply
FIELD BOUNDARY Discrete field devices	ACCEPTANCE DUTY Valve limit-switch feedback

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 900G02-0102 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 900G02-0102.
- 4

Use ESD controls and protect keyed connectors, terminals and assemblies while handling 900G02-0102.
- 5

Confirm the installed HC900 I/O rack and 24 Vdc field supply 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 valve limit-switch feedback 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 valve limit-switch feedback test completed without abnormal diagnostics

Related HC900 Process Controller products on Apter Power

MODEL	SERIES / SYSTEM ROLE	APTER POWER PAGE
900G02-0202	HC900 900G02-series 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
900B01-0101	4-channel isolated 0–20 mA analog output	Open product page
900B08-0202	HC900 900B-series analog module	Open product page

ENGINEER FAQ — 8 MODEL-SPECIFIC CHECKS

Q1	What must be matched before installation?	Match the full 900G02-0102 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 24 Vdc field supply.
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 valve limit-switch feedback 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 900G02-0102 identity, as-left wiring/configuration, final diagnostics and functional-test result.

MANUFACTURER SOURCE RECORD

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