

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.

IDENTITY RECORD

MANUFACTURER Honeywell	FAMILY HC900 Process Controller
EXACT MODEL 900G02-0102	PRIMARY DUTY Valve limit-switch feedback

APTER POWER SALES TEAM

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



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

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.

TECHNICAL VERIFICATION MATRIX

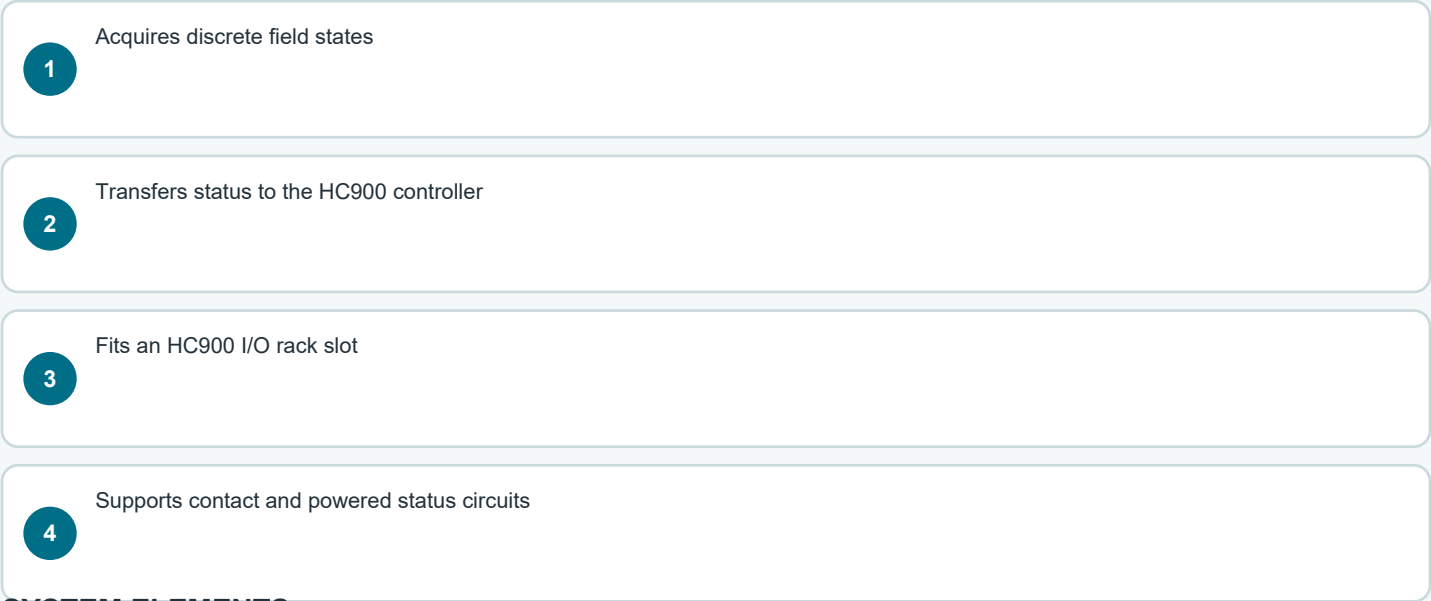
Identity control	Full model marking 900G02-0102 and installed execution
Host-system boundary	HC900 Process Controller
Companion hardware	HC900 I/O rack / 24 Vdc field supply
Acceptance evidence	Documented valve limit-switch feedback functional result

MANUFACTURER SOURCE RECORD

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

Functional path and compatible system elements

FUNCTIONAL PATH



SYSTEM ELEMENTS



APPLICATION BOUNDARIES

Valve limit-switch feedback	Acquires discrete field states
Motor running status	Transfers status to the HC900 controller
Package alarm contacts	Fits an HC900 I/O rack slot
Machine permissive inputs	Supports contact and powered status circuits

CONTROLLED WORK SEQUENCE

- 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.

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
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

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

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