

Sixteen-Channel 24 Vdc Digital Input Module

Field workbook for exact-model verification, as-found recording, controlled installation and final functional acceptance.

WORK ORDER IDENTITY

Site / unit

Equipment tag

Drawing / loop reference

Technician / date

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MANDATORY MODEL GATE

- ☐ Physical label reads 900G02-0102 in full.
- ☐ Assigned host platform is documented as HC900 Process Controller.
- ☐ Installed companion hardware includes HC900 I/O rack.
- ☐ Field interface and cabling match 24 Vdc field supply.
- ☐ The approved drawings and manufacturer record are available at the work location.
- ☐ No rating or configuration has been copied from a visually similar model.

Pre-work review and as-found record

PRE-WORK CHECKLIST

☐ Verify the complete 900G02-0102 marking, hardware execution and assigned HC900 Process Controller position.

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

☐ Record as-found wiring, shields, jumpers, cable tags, slot identity and diagnostics before removing 900G02-0102.

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

☐ Confirm the installed HC900 I/O rack and 24 Vdc field supply against approved drawings and configuration records.

AS-FOUND RECORD

Installed position / slot

Companion module or assembly

Supply / network state

Cable and terminal identifiers

Jumpers / range / configuration

Active diagnostics / status indications

Photograph or drawing reference

CONTROLLED INSTALLATION SEQUENCE

- 1

Use ESD controls and protect keyed connectors, terminals and assemblies while handling 900G02-0102.
- 2

Confirm the installed HC900 I/O rack and 24 Vdc field supply against approved drawings and configuration records.
- 3

Inspect mating hardware, terminal condition, grounding and mechanical retention before installation.
- 4

Restore power or network service in controlled stages; confirm status indications before functional commands.
- 5

Complete a documented functional test for valve limit-switch feedback and retain the as-left record.

FIELD TECHNICAL REFERENCE

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

MODEL-SPECIFIC CAUTION

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

Commissioning, diagnostics and acceptance record

COMMISSIONING STEPS

☐ Confirm mechanical seating, retention, terminal condition and required protective covers.

☐ Verify supply, grounding, shields, polarity, continuity and network state before energization.

☐ Compare slot, channel, range and companion-hardware configuration with approved records.

☐ Restore service in controlled stages and record initial status indications and diagnostics.

☐ Perform a controlled valve limit-switch feedback functional test with process safeguards effective.

☐ Record final diagnostics, configuration, deviations, test evidence and release authorization.

MEASURED / OBSERVED RESULTS

Initial diagnostics

Supply / network value

Channel or command result

Process indication

Interlock / safeguard result

Final status

Related product pages and handover 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

FINAL HANDOVER CHECKLIST

- ☐ Exact model and installed position confirmed
- ☐ As-left wiring and configuration recorded
- ☐ Manufacturer diagnostics reviewed and cleared or dispositioned
- ☐ Functional test completed with acceptance result attached
- ☐ Protective covers restored and work area inspected
- ☐ Operations / maintenance handover authorization recorded

Released by

Date

Remarks

MANUFACTURER SOURCE RECORD

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