

900G03-0102

Sixteen-Channel 120/240 Vac Digital Input Module

Honeywell 900G03-0102 is a 16-channel 120/240 Vac digital input module for HC900. It monitors AC-powered field contacts and presents their states to the controller.

PRODUCT SNAPSHOT

BRAND

Honeywell

FAMILY

HC900 Process Controller

PART

900G03-0102

ORIGIN / HS

USA / 8537101190

APTER POWER SALES TEAM

WHATSAPP / PHONE

+86 180 3023 5313

EMAIL

sales13@apterpower.com

WEBSITE

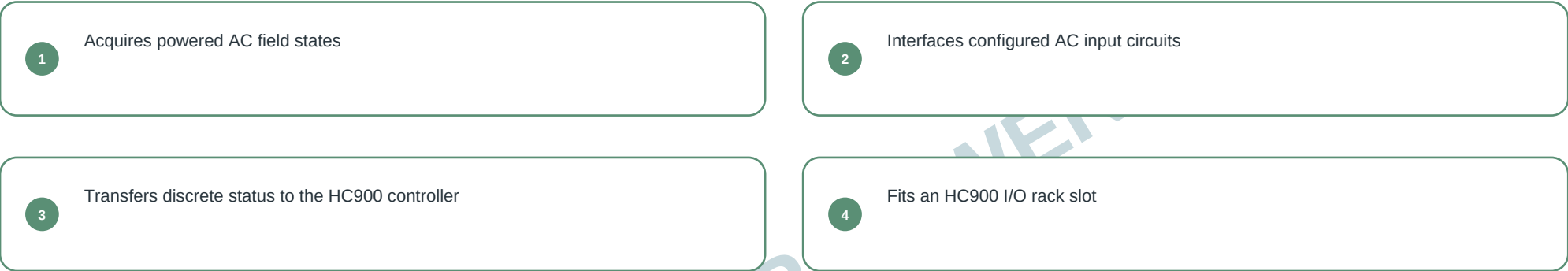
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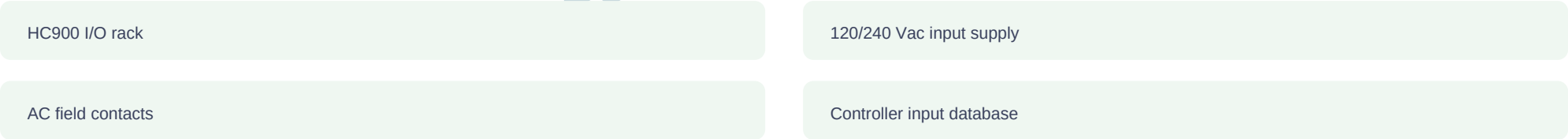
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PRODUCT OVERVIEW

Honeywell 900G03-0102 is a 16-channel 120/240 Vac digital input module for HC900. It monitors AC-powered field contacts and presents their states to the controller.



SYSTEM COMPONENTS



TECHNICAL DATA

PARAMETER	VALUE
Input channels	16
Input voltage	120/240 Vac

PARAMETER	VALUE
Signal type	AC digital input

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TECHNICAL NOTE

Verify the selected AC supply and input commons, isolate all channels before wiring, and test each field state at the controller.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Breaker auxiliary contacts

Acquires powered AC field states

AC motor-starter feedback

Interfaces configured AC input circuits

Heater status monitoring

Transfers discrete status to the HC900 controller

Package-unit alarm inputs

Fits an HC900 I/O rack slot

PRODUCT PRECAUTIONS

- 1 Verify the complete 900G03-0102 marking and the assigned HC900 Process Controller position before field work.
- 2 Isolate the applicable power, network and field energy before disconnecting 900G03-0102.
- 3 Use ESD controls and protect the keyed connectors of 900G03-0102 during handling.
- 4 Record the installed wiring, jumpers, node or channel assignment before replacement.
- 5 Confirm HC900 I/O rack and 120/240 Vac input supply against the approved system configuration.
- 6 Restore 900G03-0102 under controlled conditions and review the product-specific diagnostics.
- 7 Complete a functional test for breaker auxiliary contacts before production release.

ENGINEER FAQ

Q1 Which HC900 I/O rack identity must be verified before fitting the 900G03-0102 Sixteen-Channel 120/240 Vac Digital Input Module?

Match the complete 900G03-0102 marking, assigned HC900 Process Controller position and installed HC900 I/O rack before work.

Q2 How should 120/240 Vac input supply be isolated before disconnecting the 900G03-0102 Sixteen-Channel 120/240 Vac Digital Input Module?

Place the affected process in its approved maintenance state, isolate applicable energy and prove 120/240 Vac input supply safe before disconnection.

Q3 What as-found wiring record is required for the 900G03-0102 Sixteen-Channel 120/240 Vac Digital Input Module in Breaker auxiliary contacts?

Record terminal identity, polarity, shields, jumpers, cable tags and the as-found diagnostic state for 900G03-0102.

Q4 Which HC900 Process Controller configuration must be checked when commissioning the 900G03-0102 Sixteen-Channel 120/240 Vac Digital Input Module?

Verify the assigned channel, slot, node or interface and compare it with the approved HC900 Process Controller configuration before enabling 900G03-0102.

Q5 How can the 900G03-0102 Sixteen-Channel 120/240 Vac Digital Input Module be function-tested for AC motor-starter feedback without disturbing the process?

Use a controlled stimulus or limited command, observe the expected system indication and confirm the intended response while normal interlocks remain effective.

Q6 Which diagnostics should be reviewed if the 900G03-0102 Sixteen-Channel 120/240 Vac Digital Input Module stops performing its assigned system function?

Check seating, the matched HC900 I/O rack, the condition of 120/240 Vac input supply and the model-specific diagnostics before replacing more hardware.

Q7 Can the 900G03-0102 Sixteen-Channel 120/240 Vac Digital Input Module used for Heater status monitoring be transferred to another HC900 Process Controller position without engineering review?

No. Confirm the hardware execution, connector scheme and approved HC900 Process Controller configuration before transferring 900G03-0102 to a different duty.

Q8 What evidence should be retained after the 900G03-0102 Sixteen-Channel 120/240 Vac Digital Input Module returns to Package-unit alarm inputs service?

Retain the physical identification, as-left wiring or configuration, final diagnostics and controlled functional-test result for 900G03-0102.

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

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