

APTER POWER ENGINEERING REFERENCE

900A16-0101

ControlEdge HC900 High-Level Analog Input Module

The 900A16-0101 is a sixteen-channel high-level analog-input module for the Honeywell ControlEdge HC900, acquiring process signals for indication, alarm, sequencing and closed-loop control.

Parameter	Technical value
Manufacturer	Honeywell
Product model	900A16-0101
Part number	900A16-0101
System family	Honeywell ControlEdge HC900
Document	Installation & Application Guide
Country	USA
HS code	8537101190

APTER POWER SALES TEAM

INDUSTRIAL AUTOMATION PRODUCT SUPPORT

One verified model, one engineered configuration path.

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SCAN FOR PRODUCT & QUOTE

900A16-0101

2. Installation Planning

The 900A16-0101 is a sixteen-channel high-level analog-input module for the Honeywell ControlEdge HC900, acquiring process signals for indication, alarm, sequencing and closed-loop control.

Pre-installation sequence

- Confirm the card position in the HC900 hardware configuration.
- Separate analog wiring from switching conductors.
- Check channel scaling before enabling control loops.
- Validate every input against an independent field reference.

Matched components

- ControlEdge HC900 controller
- HC900 I/O rack
- Compatible field transmitters
- HC900 configuration database

3. Wiring and Interface Checks

Installation item	Required technical value
Model	900A16-0101
Module type	High-level analog input
Input channels	16
Controller family	ControlEdge HC900
Form factor	Rack I/O module
Country	USA
HS code	8537101190

Interface controls

- Use only the 900A16-0101 hardware identity and the matched components listed for this product.
- Record wiring, polarity, addressing or channel allocation before disturbing installed conductors.
- Keep field circuits de-energized until continuity and insulation checks are complete.
- Apply the product-specific limits in the table during loop or channel testing.

4. Commissioning and Functional Test

- 1 Confirm that 900A16-0101 and part number 900A16-0101 match the cabinet record.
- 2 Verify the connection to ControlEdge HC900 controller before applying operating power.
- 3 Check the product function: acquires high-level analog process signals.
- 4 Simulate or apply a controlled signal for furnace and kiln process inputs.
- 5 Compare the channel indication or output state with the control database.
- 6 Record baseline values and restore the field circuit to its operating configuration.

5. Diagnostics and Return to Service

Product-specific diagnostic questions

How should an engineer verify sixteen-channel allocation on 900A16-0101?

Use the 900A16-0101 technical limit or configuration stated for sixteen-channel allocation, then verify it at the installed channel before service.

What must be checked for HC900 rack position on 900A16-0101?

Treat HC900 rack position as a product-specific commissioning point and compare the field condition with the Honeywell hardware configuration.

Which system detail controls high-level signal wiring on 900A16-0101?

The required check concerns high-level signal wiring; confirm the connected hardware is the matched component listed for 900A16-0101.

Why is it important to confirm database scaling on 900A16-0101?

For database scaling, isolate the circuit, record its present configuration and apply the stated Honeywell limit before re-energization.

RETURN-TO-SERVICE CHECK

Confirm model 900A16-0101, cabinet wiring, control-system channel assignment and the intended field response before releasing the equipment for production.