

MC-PAOY22

16-Channel Analog Output Processor

Honeywell MC-PAOY22 is a conformally coated sixteen-channel analog output processor, part number 80363969-150. It converts configured controller commands into field analog-output channels in a Process Manager or C200 I/O system.

PRODUCT SNAPSHOT

BRAND

Honeywell

FAMILY

Honeywell Process Manager / C200 I/O

PART

80363969-150

ORIGIN / HS

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PRODUCT OVERVIEW

Honeywell MC-PAOY22 is a conformally coated sixteen-channel analog output processor, part number 80363969-150. It converts configured controller commands into field analog-output channels in a Process Manager or C200 I/O system.

1

Generates sixteen configured analog output channels

2

Transfers controller commands to process final-element loops

3

Operates with the assigned output termination hardware

4

Supports coated process-control cabinet installations

SYSTEM COMPONENTS

compatible PM or C200 I/O rack

assigned analog-output termination assembly

field loop power and wiring

Experion controller configuration

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
8C-PAON01	Series 8 analog-output module	Open product page
CC-PAOH01	Series C analog-output module with HART	Open product page
MC-TAOX52	TPS analog-output termination assembly	Open product page

TECHNICAL DATA

PARAMETER	VALUE
Part number	80363969-150
Output channels	16

PARAMETER	VALUE
Board coating	Conformal
I/O family	Process Manager / C200

SYSTEM CONNECTION AND ACCEPTANCE RECORD

RECORD ITEM	DOCUMENTED ASSIGNMENT
Installed host / carrier	compatible PM or C200 I/O rack
Companion hardware	assigned analog-output termination assembly
Field connection	field loop power and wiring
Primary system function	Generates sixteen configured analog output channels
Controlled acceptance duty	Control-valve command outputs

TECHNICAL NOTE

Record channel assignments, ranges, loop-power arrangement, and termination wiring before replacement; after installation command controlled values and compare controller indication with measured field current.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Control-valve command outputs

Generates sixteen configured analog output channels

Variable-speed drive reference loops

Transfers controller commands to process final-element loops

Process setpoint transmission

Operates with the assigned output termination hardware

Plant utility analog-control outputs

Supports coated process-control cabinet installations

PRODUCT PRECAUTIONS

- 1 Verify MC-PAOY22 and part number 80363969-150 before rack work.
- 2 Place connected final elements in approved manual or safe conditions.
- 3 Isolate field loop power and record every channel conductor.
- 4 Confirm the installed rack, processor position, and termination assembly.
- 5 Use ESD controls and inspect coated-board and connector condition.
- 6 Restore channel range and output configuration from the approved control database.
- 7 Command controlled values on every active channel and measure the field result.
- 8 Clear diagnostics and verify final-element response before automatic control.

ENGINEER FAQ

Q1 Which installed hardware must be matched before fitting MC-PAOY22?

Match the complete MC-PAOY22 marking to compatible PM or C200 I/O rack and assigned analog-output termination assembly, then confirm the assigned Honeywell Process Manager / C200 I/O position and approved system configuration.

Q3 What isolation is required before installing MC-PAOY22?

Place control-valve command outputs in the approved maintenance state, isolate every applicable power, signal, and stored-energy source, and prove the work area safe.

Q5 How can an engineer function-test MC-PAOY22 after installation?

Apply a controlled input, reference, or limited output appropriate to 16-channel analog output processor, observe the system indication and diagnostics, and confirm the intended process response.

Q7 Can MC-PAOY22 be replaced by a visually similar model without review?

No. Verify the complete part number, electrical execution, connector arrangement, companion hardware, and approved software or rack configuration.

Q2 How should the field connections for MC-PAOY22 be recorded before replacement?

Record terminal or connector identity, polarity, shield, cable tag, channel assignment, and the as-found diagnostic state before disconnecting MC-PAOY22.

Q4 Which configuration check is essential when commissioning MC-PAOY22?

Restore only the approved model-specific channel, range, address, scale, or interface settings and compare them with the physical installation before enabling the process function.

Q6 What should be checked if MC-PAOY22 reports an unstable or incorrect value?

Check seating, supply, grounding, shielding, matched components, mechanical installation, and the signal path before changing configuration or replacing additional hardware.

Q8 What commissioning evidence should be retained for MC-PAOY22?

Retain the full MC-PAOY22 identity, as-left wiring and settings, measured functional-test results, final diagnostics, and authorization to return the affected equipment to service.