MC-PAOX03 51309152-175

Eight-Channel Analog Output Processor

Honeywell MC-PAOX03 51309152-175 is the conformally coated CE-compliant eight-channel analog output processor for Process Manager family I/O.

Sourcing Support | 12-Month Warranty

Product summary

Manufacturer part number	MC-PAOX03 51309152-175
Shipping	Swift global dispatch
Condition	New, original product
Shipping size (est.)	2.9cm x 31.9cm x 27.9cm
Country of Origin	USA
Weight	0.58 kg
Manufacturer	Honeywell
Product Category	DCS Systems

Buyer information - Overview

51309152-175 selects the coated CE MC-PAOX03 execution; the non-CE 51304672-150 is a distinct assembly choice.

Channel-level regulation: Separate conversion and regulation support the documented eight-output architecture.

Feedback-led diagnostics: Actual output-current readback supports comparison with the controller demand.

Configurable response: Characterization and failure action remain part of the installed control strategy.

The -175 part selects the CE-compliant coated assembly. The same MC-PAOX03 model also appears as non-CE 51304672-150, so the common model text does not by itself identify the installation execution.

The eight-output processor family uses separate conversion and regulation for each channel and checks actual output-current readback. Commanded demand and measured feedback therefore provide different information when investigating an output problem.

The analog output function includes five-segment characterization, software calibration and configured hold or unpowered failure behavior. Preserve those channel decisions and the selected FTA when restoring an actuator command path.

Controller platform reference: Honeywell Process Manager I/O. Confirm the installed wiring drawing.

Technical specifications

Analog output channels	8
Output characterization	5 segments
Failure-action selections	Hold or unpowered
Nominal output signal	4-20 mA
Maximum resistive load	750 ohm at 22 mA
Calibrated accuracy	■0.35% at 25 ■C including linearity
Output readback accuracy	■4%
Output resolution	■0.05%

Applications / Compatibility

Installed signal relationship for MC-PAOX03 51309152-175: Controller demand > MC-PAOX03 conversion and readback > selected analog output FTA > receiving actuator.

Retain software calibration, characterization and configured failure behavior.

Regulated actuator commands
Restore the current-command relationship with the selected output termination.

Output readback review
Compare actual current feedback with the requested operating point.

Characterized final elements
Retain the five-segment characterization used by the installed strategy.

CE cabinet servicing
Match the coated CE part identity and documented cabinet wiring arrangement.

Product Precautions

Identify the CE part
Read 51309152-175 in addition to the MC-PAOX03 model.

Control actuator movement
Obtain the approved maintenance state for every affected output.

Capture channel configuration
Retain ranges, calibration, characterization and failure action.

Verify FTA selection
Record the exact analog output FTA and field circuit.

Compare command and feedback
Check demanded and actual output current under the permitted test conditions.

Release final elements carefully
Confirm the receiving-device response and approved restoration sequence.

Lifecycle Status

The current factory phase for MC-PAOX03 51309152-175 is unconfirmed.

Retain the CE assembly execution when maintaining this output group. Changes to characterization, calibration or configured failure action require an explicit channel review alongside the hardware exchange.

Supply covers one eight-channel analog output processor. The connected field devices, termination or processor hardware, cables and cabinet items require separate itemization.

Available Unit Details

MC-PAOX03 51309152-175: Read 51309152-175 in addition to the MC-PAOX03 model.

Request a readable -175 assembly marking and revision. Review the coated surfaces, edge contacts and physical condition, and itemize any offered FTA or interconnecting cable separately.

Included assembly - one MC-PAOX03 51309152-175 assembly

Technical notes

CE assembly	51309152-175 is the coated CE version in the manufacturer assembly table.
Actuator acceptance	Compare demand, actual current readback and permitted receiving-device response during a controlled test.
Channel configuration	Retain software calibration, characterization and configured failure behavior.

Alternative Names

Honeywell MC-PAOX03 51309152-175

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Frequently Asked Questions (FAQ)

Why does the complete assembly number matter for MC-PAOX03 51309152-175?	The MC-PAOX03 model includes both coated CE and coated non-CE parts. Match 51309152-175 with the cabinet compliance basis and delivered marking.
Which evidence separates a command error from a field-circuit problem on MC-PAOX03 51309152-175?	Record the requested output and actual current readback, then compare the FTA and receiving-device response under a controlled plant test.
What configuration should be retained before exchanging MC-PAOX03 51309152-175?	Save the output range, software calibration, five-segment characterization and selected failure action for each affected channel.
How should characterization be checked after installing MC-PAOX03 51309152-175?	Use the approved test points across the characterized demand curve and compare current feedback with the accepted final-element response.
Does the shared MC-PAOX03 label prove the non-CE part is the same execution as MC-PAOX03 51309152-175?	The assembly table assigns different part numbers. Review the complete offered identity and the installation compliance requirements.
What should be reviewed before testing an actuator through MC-PAOX03 51309152-175?	Put the process and final element into the approved maintenance condition, confirm the output channel mapping and define the allowed movement.
Why should failure action be verified explicitly on MC-PAOX03 51309152-175?	Hold and unpowered behavior affect the receiving actuator differently. Restore the documented strategy and verify it only through the approved safe test procedure.
How can a readback discrepancy on MC-PAOX03 51309152-175 be investigated?	Check the configured demand, reported current and actual termination circuit before recalibration. Retain the readings and circuit identity with the service record.

Downloads

Honeywell MC-PAOX03 51309152-175 Technical Planning Excerpt	Original manufacturer assembly-identification and applicable planning pages.
MC-PAOX03 51309152-175 Engineering Field Guide	Identify the CE part, Control actuator movement, Capture channel configuration.

What happens after you enquire

Review your reference	Send the full marking, quantity and label photos. We review the item and any version details that need clarification.
Confirm the offer	Check the quoted reference, condition, included items and expected dispatch date before approving your order.
Arrange dispatch	Confirm delivery details and receive the tracking number when it becomes available.

Ordering checks

Include MC-PAOX03 51309152-175 and every revision or approval marking visible on the item. Keep the exact reference on your enquiry and quotation.

Request available label and interface photos. Have your maintenance team compare the offered MC-PAOX03 51309152-175 with the installed equipment and applicable Honeywell documentation.

Related Honeywell product references

Review the complete assembly identity and installed-system application for each reference.

- Honeywell MU-TDID12 51304441-125

Engineering contact

Discuss the exact marking and installed application with Apter Power. sales13@apterpower.com | +86 18030235313

Technical basis

Honeywell HPM Planning, March 1998; TPS Process Manager I/O Specification and Technical Data IO03-684