

MC-PAOX03 51309152-175

MC-PAOX03 Analog Output IOP

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PRODUCT SNAPSHOT

BRAND
Honeywell

FAMILY
PM/APM/HPM Process Manager I/O

PART
MC-PAOX03 51309152-175

DOCUMENT STATUS
Controlled engineering copy

APTER POWER

WHATSAPP / PHONE

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WEBSITE

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PRODUCT OVERVIEW

Honeywell MC-PAOX03 51309152-175 provides generation and supervision of eight independent 4-20 mA analog outputs in a documented PM/APM/HPM Process Manager I/O installation.



Channels: 8



Output range: 4-20 mA



Calibrated accuracy: +/-0.35% of full scale at 25 degC



Resolution: +/-0.05% of full scale

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Honeywell MC-TAIH12 51304337-150

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3

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51309148-175

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Honeywell MU-PAOX03
51304672-100

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Honeywell MU-TAIH12 51304337-100

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Honeywell MU-TAOX12
51304335-100

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Honeywell MU-TAOX12
51304335-125

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Honeywell 51401496-100

9

Honeywell 51401642-150

SYSTEM COMPONENTS

DOCUMENTED COMPONENT	ROLE IN SYSTEM
Proximity probe	Matched extension cable
Proximitor Sensor	AISI 4140 target

ENGINEERING CONTEXT

The component remains matched to its installed host, interface hardware and engineering configuration. Commissioning restores that architecture and verifies the intended function under controlled conditions.

TECHNICAL DATA

PARAMETER	VALUE
Product type	Analog Output I/O Processor
IOP model	MC-PAOX03
Manufacturer item number	51309152-175
Channels	8
Output range	4-20 mA
Calibrated accuracy	+/-0.35% of full scale at 25 degC

PARAMETER	VALUE
Resolution	+/-0.05% of full scale
Channel architecture	Individual DAC and output power per channel
Failure action	Hold or unpower, configurable
Coating	Conformally coated
Compliance execution	CE-compliant part

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6 Honeywell MU-TAOX12 51304335-100

7 Honeywell MU-TAOX12 51304335-125

8 Honeywell 51401496-100

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TECHNICAL NOTE

Install MC-PAOX03 51309152-175 only in its documented PM/APM/HPM Process Manager I/O position. Preserve the exact interfaces, wiring and configuration, then verify diagnostics and generation and supervision of eight independent 4-20 mA analog outputs under controlled conditions.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

MC-PAOX03 Analog Output IOP

Provides generation and supervision of eight independent 4-20 mA analog outputs in the approved

Installed-system maintenance

Preserves the documented slot, termination, wiring and configuration during replacement.

Controlled commissioning

Restores power and signals in the approved sequence and reviews diagnostics.

Acceptance verification

Confirms the intended channel, network or safety function before release.

PRODUCT PRECAUTIONS

1

Confirm the complete MC-PAOX03 51309152-175 identity on the hardware and maintenance record.

2

Place the affected PM/APM/HPM Process Manager I/O process in the approved maintenance state.

3

Record the installed position, connectors, terminals, wiring and configuration before removal.

4

Isolate all documented power and field energy and apply ESD controls where required.

5

Inspect the replacement identity, revision, interfaces and mating hardware before installation.

6

Restore every conductor, cable, power path and configuration value to the approved record.

7

Review host, module, channel or network diagnostics after controlled energization.

8

Perform a controlled test that proves generation and supervision of eight independent 4-20 mA analog

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ENGINEER FAQ

Q1

How many current outputs does MC-PAOX03 51309152-175 control?

It controls eight independent 4-20 mA outputs.

Q2

What calibrated accuracy is specified for MC-PAOX03 51309152-175 at 25 degC?

The calibrated accuracy is +/-0.35% of full scale.

Q3

Which resolution applies to MC-PAOX03 51309152-175?

The specified resolution is +/-0.05% of full scale.

Q4

Why does each MC-PAOX03 51309152-175 channel have its own DAC and output power?

A channel fault is kept from disturbing the other seven output paths.

Q5

What can MC-PAOX03 51309152-175 do when the IOP fails?

Each output can be configured to hold its last value or unpower.

Q6

Which protection execution is MC-PAOX03 51309152-175?

It is the coated, CE-compliant MC execution.

Q7

What must match when MC-PAOX03 51309152-175 is used redundantly?

The peer IOP, redundancy FTA, configuration and channel assignments must match.

Q8

How should MC-PAOX03 51309152-175 be functionally released?

Command, measure and diagnose every output, then verify any configured failover behavior.

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