

INDUSTRIAL AUTOMATION PRODUCT

MC-PRHM01

Remote Hardened Multiplexer I/O Processor

Honeywell MC-PRHM01 is a coated 32-point Remote Hardened Multiplexer I/O processor. It brings multiplexed remote field information into a TPS Process Manager I/O system.

IDENTITY	VERIFIED VALUE
Manufacturer	Honeywell
System family	TPS Process Manager I/O
Part number	51404109-175
Country	USA
HS code	8537101190

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MC-PRHM01

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Technical Specifications

Technical values below are limited to the named Honeywell product record.

PARAMETER	TECHNICAL VALUE
Processor points	32
Processor type	Remote hardened multiplexer
Board coating	Conformal

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System Role and Architecture

Honeywell MC-PRHM01 is a coated 32-point Remote Hardened Multiplexer I/O processor. It brings multiplexed remote field information into a TPS Process Manager I/O system.

FUNCTION 1

Processes remote multiplexer point data

FUNCTION 2

Interfaces hardened remote field hardware

FUNCTION 3

Transfers multiplexed data over the I/O link

FUNCTION 4

Uses a coated processor board

Matched system components

- Remote hardened multiplexer
- PM/APM/HPM/EHPM cardfile
- I/O link
- Remote field cable

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Applications and Engineering Context

Remote process measurements

Processes remote multiplexer point data

Harsh-area signal collection

Interfaces hardened remote field hardware

Long-distance I/O concentration

Transfers multiplexed data over the I/O link

Legacy RHM maintenance

Uses a coated processor board

TECHNICAL NOTE

Verify the multiplexer address, remote cable path and I/O link assignment before commissioning point data and diagnostics.

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Engineering Precautions

1

Verify the complete MC-PRHM01 marking and the assigned TPS Process Manager I/O position before field work.

2

Isolate the applicable power, network and field energy before disconnecting MC-PRHM01.

3

Use ESD controls and protect the keyed connectors of MC-PRHM01 during handling.

4

Record the installed wiring, jumpers, node or channel assignment before replacement.

5

Confirm Remote hardened multiplexer and PM/APM/HPM/EHPM cardfile against the approved system configuration.

6

Restore MC-PRHM01 under controlled conditions and review the product-specific diagnostics.

7

Complete a functional test for remote process measurements before production release.

MANUFACTURER SOURCE RECORD

Honeywell TPS Process Manager I/O Specification

IO03-684 Rev.2

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