PRODUCT INFORMATION DASHBOARD

Honeywell MU-PDIX02 51304485-100

Digital Input IOP

Honeywell MU-PDIX02 51304485-100 is a thirty-two-channel digital-input I/O Processor for Process Manager card files.

PRODUCT ROLE

32 input channels

SYSTEM

i

INTERFACE

Digital-input IOP

SERVICE FOCUS

90 mA at 24 VDC

Exact-model highlights

- 32 input channels
- Digital-input IOP
- Multiple DI FTA classes
- 90 mA at 24 VDC

Release questions

IDENTITY

Is the complete MU-PDIX02 51304485-100 code confirmed?

INTERFACE

Do field signals and companion equipment match?

SETTINGS

Are installed parameters and mappings preserved?

ACCEPTANCE

Have normal, fault and recovery states been tested?

Technical data

IOP function	Digital input
Part number	51304485-100
Channels	32
Compliance execution	CE compliant
Conformal coating	Not coated
24 VDC current usage	90 mA
Supported FTA classes	24 VDC, 120 VAC and 240 VAC digital input
Card-file role	Input/Output Processor

Application safeguards

SAFEGUARD 1

Match MU-PDIX02 and 51304485-100 before removing the processor card.

SAFEGUARD 2

Record the installed DI FTA model and its field-voltage class.

SAFEGUARD 3

Back up all thirty-two channel assignments and inversion or alarm settings.

SAFEGUARD 4

Place the affected IOP in the approved maintenance state before isolation.

Common applications

Discrete state processing

Processes thirty-two field contact states for controller use.

Mixed-voltage cabinet families

Works with the installed 24 VDC, 120 VAC or 240 VAC DI FTA execution.

Alarm and permissive acquisition

Supplies digital status data used by process alarms and permissives.

Legacy IOP replacement

Restores an exact 51304485-100 digital-input processor position.

Interface checklist

- Field path: Voltage-specific DI FTA and IOP-to-FTA cable
- Controller path: Process Manager I/O database
- Power path: 24 VDC card-file supply
- Service path: Card-file slot with recorded channel configuration

Installation snapshot

STEP 1

Match the replacement label to Honeywell MU-PDIX02 51304485-100 and the approved site bill of material.

STEP 2

Review the recorded wiring, channel map and connector orientation before disturbing conductors.

STEP 3

Isolate hazardous energy and prove the required electrical condition at the work point.

STEP 4

Apply grounded ESD controls while handling the electronic assembly.

Model-specific FAQ

Q1 How many channels does Honeywell MU-PDIX02 51304485-100 process?

It processes thirty-two digital-input channels.

Q2 What is the role of Honeywell MU-PDIX02 51304485-100?

It is a digital-input I/O Processor for the Process Manager card file.

Q3 Which FTA voltage classes can be paired with Honeywell MU-PDIX02 51304485-100?

The processor works with the documented 24 VDC, 120 VAC and 240 VAC digital-input FTA families.

Q4 Is Honeywell MU-PDIX02 51304485-100 the coated execution?

No. MU-PDIX02 is the non-coated model; the MC prefix identifies the coated counterpart.

Q5 What 24 VDC current is assigned to Honeywell MU-PDIX02 51304485-100?

The component power table assigns 90 mA.

Q6 What must be recorded before replacing Honeywell MU-PDIX02 51304485-100?

Capture the card-file slot, FTA model, cable identity and all thirty-two channel configurations.

Q7 Does Honeywell MU-PDIX02 51304485-100 determine the field voltage by itself?

No. The connected digital-input FTA establishes the field-voltage and terminal execution.

Q8 How should Honeywell MU-PDIX02 51304485-100 be commissioned?

Verify card recognition, diagnostics and every mapped input state against controlled field conditions.

Product precautions

1. Match MU-PDIX02 and 51304485-100 before removing the processor card.
2. Record the installed DI FTA model and its field-voltage class.
3. Back up all thirty-two channel assignments and inversion or alarm settings.
4. Place the affected IOP in the approved maintenance state before isolation.
5. Use grounded ESD controls and handle the card only by its edges.
6. Inspect the card-file connector and IOP-to-FTA cable before insertion.
7. Do not apply FTA voltage-class assumptions to the processor card itself.
8. Verify all thirty-two input states and clear IOP diagnostics before handover.

Related products

Verified related products on ApterPower

Honeywell CC-PAOX01 51405039-275
Series C analog-output reference
View Honeywell CC-PAOX01 51405039-275

Honeywell FS-TSFIRE-1624
Safety-system termination reference
View Honeywell FS-TSFIRE-1624

Honeywell TA3840C
Honeywell control reference
View Honeywell TA3840C

Contact Apter Power

PHONE +86 180 3023 5313
EMAIL sales13@apterpower.com
WEBSITE www.apterpower.com

Share the exact MU-PDIX02 51304485-100 nameplate, application and required quantity for a model-specific quotation.