APTER■POWER

PRODUCT TECHNICAL REFERENCE

INDUSTRIAL AUTOMATION PRODUCT

51402573-150

UCN Interface Module

Honeywell 51402573-150 is a Universal Control Network interface module for a High-Performance Process Manager node.

IDENTITY	VERIFIED VALUE
Manufacturer	Honeywell
System family	High-Performance Process Manager
Part number	51402573-150

APTER POWER SALES TEAM

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2 Technical Specifications

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

PARAMETER	TECHNICAL VALUE
Part number	51402573-150
Module function	UCN interface
System family	HPM
Network	Universal Control Network
Service class	Controller network interface

ENGINEERING DATA SUMMARY

DATA GROUP	VERIFIED ASSIGNMENT
Installed host / carrier	HPM node card file
Companion hardware	Universal Control Network
Field connection	Documented node cabling
Primary system function	Interfaces an HPM node to the Universal Control Network.
Controlled acceptance duty	HPM UCN node communication

3 System Role and Architecture

Honeywell 51402573-150 is a Universal Control Network interface module for a High-Performance Process Manager node.

FUNCTION 1

Interfaces an HPM node to the Universal Control Network.

FUNCTION 2

Maintains the controller-side UCN communication stage.

FUNCTION 3

Retains exact part identity for HPM card-file service.

FUNCTION 4

Supports controlled restoration of node communication.

Matched system components

- HPM node card file
- Universal Control Network
- Documented node cabling
- HPM configuration and diagnostics

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	HPM node card file
Companion hardware	Universal Control Network
Field connection	Documented node cabling
Primary system function	Interfaces an HPM node to the Universal Control Network.
Controlled acceptance duty	HPM UCN node communication

4 Applications and Engineering Context

HPM UCN node communication

Interfaces an HPM node to the Universal Control Network.

TPS controller network service

Maintains the controller-side UCN communication stage.

Legacy process-control restoration

Retains exact part identity for HPM card-file service.

UCN interface spare management

Supports controlled restoration of node communication.

TECHNICAL NOTE

Only exact part identity and HPM UCN function are asserted. Board-level electrical and revision details remain unspecified without exact controlled documentation.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	51402573-150 / 51402573-150 recorded
Physical interface	HPM node card file
Companion check	Universal Control Network
Functional proof	Interfaces an HPM node to the Universal Control Network.
Application test	HPM UCN node communication

5 Engineering Precautions

1. Confirm part number 51402573-150 in the HPM node.
2. Record UCN cable identity and node position.
3. Capture communication diagnostics before isolation.
4. Back up the applicable HPM configuration.
5. Use ESD controls on the interface board and connectors.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
Honeywell MC-TDOR62	TPS relay-output termination	**View Honeywell MC-TDOR62 page**
Honeywell MC-TPIX12 51304084-175	TPS pulse-input termination	**View Honeywell MC-TPIX12 51304084-175 page**
Honeywell MC-TSIM12 51303932-476	TPS serial-interface termination	**View Honeywell MC-TSIM12 51303932-476 page**
Honeywell MC-TAOY25 51305865-275	TPS analog-output termination	**View Honeywell MC-TAOY25 51305865-275 page**
Honeywell DC-TFB412	Series C redundant FIM IOTA	**View Honeywell DC-TFB412 page**
Honeywell MC-IOLX02	TPS remote I/O link extender	**View Honeywell MC-IOLX02 page**
Honeywell 10002/1/2	FSC control and I/O module	**View Honeywell 10002/1/2 page**
Honeywell 10014/F/F	FSC communication module	**View Honeywell 10014/F/F page**

MANUFACTURER SOURCE RECORD

Honeywell HPM service documentation

HPM UCN interface family

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