MC-PAIH03 51304754-150

Analog Input Module

CONTROLLED ENGINEERING COPY

Select the correct range per channel and preserve the matched HLAI termination assembly. Do not mix the -150 part with later -176 hardware revisions.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	MC-PAIH03 51304754-150
Manufacturer part	51304754-150
Hardware type	MC-PAIH03
System family	C200 and PM I/O

1 PLAN — 2 ISOLATE — 3 CONNECT — 4 CONFIGURE — 5 TEST

APTER POWER SALES TEAM

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01 PRE-INSTALLATION PLAN

1. Confirm MC-PAIH03 and part 51304754-150.
2. Record all 16 channel ranges and scaling assignments.
3. Isolate loop power and card-file power before removal.
4. Use ESD controls on the coated IOP and connector.
5. Preserve differential polarity, shields and matched FTA cable.

MATCHED HARDWARE

- Matched HLAI field termination assembly
- C200 or PM I/O card file
- Differential analog field circuits
- Documented IOP cable

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	MC-PAIH03 51304754-150 / 51304754-150 recorded
Physical interface	Matched HLAI field termination assembly
Companion check	C200 or PM I/O card file
Functional proof	Acquires sixteen differential high-level analog inputs.
Application test	4-20 mA transmitter inputs

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
IOP model	MC-PAIH03
Part number	51304754-150
Input channels	16 differential
Signal ranges	0-5 V; 1-5 V; 0.4-2 V; 4-20 mA
Conversion	16-bit; 14 bits used
Scan rate	4 samples/s/channel
All-channel update	250 ms
Compliance	CE
Coating	Conformal

FIELD NOTE

Select the correct range per channel and preserve the matched HLAI termination assembly. Do not mix the -150 part with later -176 hardware revisions.

03 COMMISSIONING WORKFLOW

1. Confirm MC-PAIH03 51304754-150 and part number 51304754-150 against the installed record.
2. Verify the physical connection to Matched HLAI field termination assembly.
3. Apply the documented technical values for iop model.
4. Exercise the function: acquires sixteen differential high-level analog inputs..
5. Run a controlled test for 4-20 ma transmitter inputs.
6. Record the final state, diagnostics and operator acceptance before release.

COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	MC-PAIH03 51304754-150 / 51304754-150 recorded
Physical interface	Matched HLAI field termination assembly
Companion check	C200 or PM I/O card file
Functional proof	Acquires sixteen differential high-level analog inputs.
Application test	4-20 mA transmitter inputs

04 RETURN-TO-SERVICE RECORD

- [ ] Do not substitute the later -176 revision without review.
- [ ] Verify raw input, engineering scaling and scan diagnostics.
- [ ] Retain the witnessed 16-channel acceptance record.
- [ ] Confirm the intended process response before normal operation.

VERIFICATION RECORD

PRODUCT IDENTITY	MC-PAIH03 51304754-150
INSTALLED POSITION	Documented C200 and PM I/O position
VERIFICATION METHOD	Controlled inspection and functional test
RELEASE RECORD	Final diagnostic state retained before service

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

SOURCE IDENTIFIERS

Honeywell Experion Control Hardware Planning Guide

R301.1 HLAI IOP data

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