

CC-PAIX02

High-Level Analog Input Module

CONTROLLED ENGINEERING COPY

Match the installed IOTA, single-ended/differential allocation, 250-ohm current input path, channel range, grounding and transmitter power before loop checks.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	CC-PAIX02
Manufacturer part	CC-PAIX02
Hardware type	Voltage or current; 2-wire or self-powered transmitters
System family	Experion Series-C I/O



APTER POWER SALES TEAM

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01 PRE-INSTALLATION PLAN

- 1

Verify the complete CC-PAIX02 marking and its assigned high-level analog-input position before work.
- 2

Place the connected process and control strategy in the approved maintenance state.
- 3

Isolate the applicable cabinet supply and analog input field energy before disconnecting conductors.
- 4

Record terminal numbers, channel assignments, polarity, shields and configured ranges before removal.
- 5

Use ESD controls and protect the backplane connector, terminal hardware and coated electronics.

MATCHED HARDWARE

- approved Series-C input IOTA
- 2-wire or self-powered transmitters
- Series-C carrier
- Experion Control Builder configuration

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	CC-PAIX02 / CC-PAIX02 recorded
Physical interface	approved Series-C input IOTA
Companion check	2-wire or self-powered transmitters
Functional proof	Acquires sixteen analog process channels
Application test	Pressure and flow acquisition

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Input type	Voltage or current; 2-wire or self-powered transmitters
Channels	16; 12 single-ended / 4 differential
A/D resolution	16 bit
Ranges	0-5 V; 1-5 V; 0.4-2 V; 4-20 mA through 250 Ohm
CMRR	70 dB, dc to 60 Hz
Common-mode voltage	-6 to +5 V peak
NMRR	19 dB at 60 Hz
Input filter	Single pole; -3 dB at 6.5 Hz
Maximum differential input	+/-30 V
Crosstalk	-60 dB
Powered input impedance	>10 MOhm
Scan period	50 ms
Accuracy at 23.5 +/-2 degC	+/-0.075% FS
Accuracy at 0 to 60 degC	+/-0.15% FS

FIELD NOTE

Match the installed IOTA, single-ended/differential allocation, 250-ohm current input path, channel range, grounding and transmitter power before loop checks.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	CC-PAIX02 / CC-PAIX02 recorded
Physical interface	approved Series-C input IOTA
Companion check	2-wire or self-powered transmitters
Functional proof	Acquires sixteen analog process channels
Application test	Pressure and flow acquisition

04 RETURN-TO-SERVICE RECORD

- ☐
- Confirm the installed selected Series-C input IOTA and carrier arrangement against the approved project.
- ☐
- Restore power in a controlled sequence and clear only diagnostics created by the maintenance activity.
- ☐
- Complete low, midpoint and high loop simulation on each used channel and retain the measured result before returning the channel to automatic service.
- ☐
- Confirm the intended process response before normal operation.

VERIFICATION RECORD

PRODUCT IDENTITY	CC-PAIX02
INSTALLED POSITION	Documented Experion Series-C 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
51402573-100	Related industrial automation product	View 51402573-100 page
8C-IP0101-51454362-175	Related industrial automation product	View 8C-IP0101-51454362-175 page
51199932-200-51199932-200-RP	Related industrial automation product	View 51199932-200-51199932-200-RP page
CC-PAIH02-51405038-376	Related industrial automation product	View CC-PAIH02-51405038-376 page
8C-PDILA1	Related industrial automation product	View 8C-PDILA1 page
51198685-100-SPS5710-2-LF	Related industrial automation product	View 51198685-100-SPS5710-2-LF page
8C-PAIHA1-51454470-275	Related industrial automation product	View 8C-PAIHA1-51454470-275 page
FS-TRO-0824	Related industrial automation product	View FS-TRO-0824 page

SOURCE IDENTIFIERS

Honeywell Experion Series-C I/O Specification
EP03-490-520, Release 520, Version 1.5

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