

CC-PAIH01

High-Level Analog Input Module with HART

CONTROLLED ENGINEERING COPY

Confirm the CC-TAIX01/CC-TAIX11 arrangement, IOTA jumpers, voltage-channel allocation, loop power and HART device identity before scanning and diagnostics.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	CC-PAIH01
Manufacturer part	CC-PAIH01
Hardware type	Voltage or current; 2-wire or self-powered transmitters
System family	Experion Series-C I/O



APTER POWER SALES TEAM

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



01 PRE-INSTALLATION PLAN

1

Verify the complete CC-PAIH01 marking and its assigned HART 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 and HART 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

- CC-TAIX01 or redundant CC-TAIX11 IOTA
- HART or conventional transmitters
- Series-C carrier
- Experion control and asset configuration

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	CC-PAIH01 / CC-PAIH01 recorded
Physical interface	CC-TAIX01 or redundant CC-TAIX11 IOTA
Companion check	HART or conventional transmitters
Functional proof	Processes sixteen high-level analog channels
Application test	HART pressure-transmitter integration

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
Voltage-input channels	13 to 16
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

FIELD NOTE

Confirm the CC-TAIX01/CC-TAIX11 arrangement, IOTA jumpers, voltage-channel allocation, loop power and HART device identity before scanning and diagnostics.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	CC-PAIH01 / CC-PAIH01 recorded
Physical interface	CC-TAIX01 or redundant CC-TAIX11 IOTA
Companion check	HART or conventional transmitters
Functional proof	Processes sixteen high-level analog channels
Application test	HART pressure-transmitter integration

04 RETURN-TO-SERVICE RECORD

- ☐
- Confirm the installed CC-TAIX01 or CC-TAIX11 IOTA and carrier arrangement against the approved project.
- ☐
- Restore power in a controlled sequence and clear only diagnostics created by the maintenance activity.
- ☐
- Complete analog scaling, open-wire and HART communication checks 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-PAIH01
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
CC-TAIX11	Related industrial automation product	View CC-TAIX11 page
ACX633-51196655-100	Related industrial automation product	View ACX633-51196655-100 page
TK-FTEB01	Related industrial automation product	View TK-FTEB01 page
51401583-100	Related industrial automation product	View 51401583-100 page
TK-PPD011-51309241-175	Related industrial automation product	View TK-PPD011-51309241-175 page
TC-FPDXX2	Related industrial automation product	View TC-FPDXX2 page
MC-PLAM02-51304362-150	Related industrial automation product	View MC-PLAM02-51304362-150 page
CC-TDIL01	Related industrial automation product	View CC-TDIL01 page

SOURCE IDENTIFIERS

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

APTER POWER SALES TEAM

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

