

DC-TAIX01

HART Analog Input IOTA

Honeywell DC-TAIX01 is a 16-channel HART analog-input IOTA that connects smart transmitter loops to the CC-PAIH01 Series C module.

PRODUCT SNAPSHOT

BRAND

Honeywell

FAMILY

Experion Series C I/O

PART

51307597-176

ORIGIN / HS

USA / 8537101190

APTER POWER SALES TEAM

WHATSAPP / PHONE

+86 180 3023 5313

EMAIL

sales13@apterpower.com

WEBSITE

www.apterpower.com



DC-TAIX01

PRODUCT OVERVIEW

Honeywell DC-TAIX01 is a 16-channel HART analog-input IOTA that connects smart transmitter loops to the CC-PAIH01 Series C module.

1

Terminates HART analog-input loops

2

Pairs with the CC-PAIH01 module

3

Provides field-loop connections

4

Supports Series C smart-transmitter inputs

SYSTEM COMPONENTS

CC-PAIH01 HART AI module

Series C carrier

4-20 mA HART transmitters

Loop power distribution

TECHNICAL DATA

PARAMETER	VALUE
PWA number	51307597-176
PWA revision	B
Companion module	CC-PAIH01

PARAMETER	VALUE
Signal type	HART analog input
Input channels	16

APTER POWER

TECHNICAL NOTE

Match the DC-TAIX01 PWA revision, loop polarity and CC-PAIH01 channel assignment before testing analog scaling and HART communication.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Smart pressure inputs

Terminates HART analog-input loops

HART temperature loops

Pairs with the CC-PAIH01 module

Flow transmitter cabinets

Provides field-loop connections

Level measurement marshalling

Supports Series C smart-transmitter inputs

PRODUCT PRECAUTIONS

- 1 Verify the complete DC-TAIX01 marking and its assigned Experion Series C I/O position before work.
- 2 Isolate the applicable power and field energy before disconnecting DC-TAIX01.
- 3 Protect DC-TAIX01 connectors and electronic assemblies with approved ESD controls.
- 4 Record the installed wiring, channel assignment and configuration before replacement.
- 5 Match CC-PAIH01 HART AI module and Series C carrier to the documented system arrangement.
- 6 Commission DC-TAIX01 with controlled status, signal and diagnostic checks.
- 7 Retain the final smart pressure inputs functional-test result in the maintenance record.

ENGINEER FAQ

Q1 Does DC-TAIX01 match CC-PAIH01 HART AI module in a Smart pressure inputs installation?

Verify the complete DC-TAIX01 marking, the documented Experion Series C I/O position and the installed CC-PAIH01 HART AI module before fitting the assembly.

Q2 How should DC-TAIX01 be wired when it must terminates hart analog-input loops?

Isolate the circuit, identify every terminal and reproduce the approved polarity, shield and channel assignment for DC-TAIX01; then continuity-test the affected path.

Q3 Which Experion Series C I/O records should be captured before removing DC-TAIX01?

Record the as-found wiring, installed position, active configuration and diagnostic state associated with DC-TAIX01 before disconnection.

Q4 What controlled test confirms that DC-TAIX01 can pairs with the cc-paih01 module?

Apply the approved field or simulated stimulus, observe the Experion Series C I/O indication and confirm the intended response without bypassing the normal interlocks.

Q5 Which Series C carrier condition should be checked when DC-TAIX01 reports an abnormal state?

Check the Series C carrier supply, seating and connection first, then compare channel diagnostics with the recorded DC-TAIX01 baseline.

Q6 Can DC-TAIX01 be moved directly into HART temperature loops without validating Loop power distribution?

No. Confirm the Loop power distribution, revision, connection scheme and Experion Series C I/O configuration before transferring DC-TAIX01 to that duty.

Q7 What maintenance evidence is required after DC-TAIX01 is used for Flow transmitter cabinets?

Retain the nameplate record, corrective action, final diagnostics and a controlled flow transmitter cabinets functional-test result for DC-TAIX01.

Q8 How should DC-TAIX01 be returned to service in Level measurement marshalling?

Restore power under control, verify provides field-loop connections, exercise the intended signal path and release DC-TAIX01 only after the Experion Series C I/O remains in its approved operating state.

SOURCE Honeywell product nameplate and Series C I/O documentation | PWA 51307597-176 Rev B

+86 180 3023 5313 | sales13@apterpower.com | www.apterpower.com