

INDUSTRIAL AUTOMATION PRODUCT

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.

IDENTITY	VERIFIED VALUE
Manufacturer	Honeywell
System family	Experion Series C I/O
Part number	51307597-176
Country	USA
HS code	8537101190

APTER POWER SALES TEAM

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DC-TAIX01

2

Technical Specifications

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

PARAMETER	TECHNICAL VALUE
PWA number	51307597-176
PWA revision	B
Companion module	CC-PAIH01
Signal type	HART analog input
Input channels	16

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3

System Role and Architecture

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

FUNCTION 1

Terminates HART analog-input loops

FUNCTION 2

Pairs with the CC-PAIH01 module

FUNCTION 3

Provides field-loop connections

FUNCTION 4

Supports Series C smart-transmitter inputs

Matched system components

- CC-PAIH01 HART AI module
- Series C carrier
- 4-20 mA HART transmitters
- Loop power distribution

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4

Applications and Engineering Context

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

TECHNICAL NOTE

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

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5

Engineering 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.

MANUFACTURER SOURCE RECORD

Honeywell product nameplate and Series C I/O documentation

PWA 51307597-176 Rev B

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