

INDUSTRIAL AUTOMATION PRODUCT

DC-TAIL51

Low-Level Analog Input IOTA

Honeywell DC-TAIL51 is a 16-channel low-level analog-input IOTA that connects temperature and millivolt field signals to the CC-PAIL51 module.

IDENTITY	VERIFIED VALUE
Manufacturer	Honeywell
System family	Experion Series C I/O
Part number	51307601-176
Country	USA
HS code	8537101190

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DC-TAIL51

2

Technical Specifications

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

PARAMETER	TECHNICAL VALUE
PWA number	51307601-176
PWA revision	B
Companion module	CC-PAIL51
Signal type	Low-level analog input
Input channels	16

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3

System Role and Architecture

Honeywell DC-TAIL51 is a 16-channel low-level analog-input IOTA that connects temperature and millivolt field signals to the CC-PAIL51 module.

FUNCTION 1

Terminates low-level analog sensors

FUNCTION 2

Pairs with the CC-PAIL51 input module

FUNCTION 3

Provides sixteen field channels

FUNCTION 4

Supports temperature and millivolt acquisition

Matched system components

- CC-PAIL51 LLA module
- Series C carrier
- Low-level sensor cable
- Field shield and reference junction wiring

4

Applications and Engineering Context

Thermocouple cabinet inputs

Terminates low-level analog sensors

RTD temperature acquisition

Pairs with the CC-PAIL51 input module

Millivolt analyzer signals

Provides sixteen field channels

Rotating-equipment temperature monitoring

Supports temperature and millivolt acquisition

TECHNICAL NOTE

Preserve sensor polarity, lead configuration and shield termination, then verify the selected low-level input type in the channel database.

5

Engineering Precautions

1

Verify the complete DC-TAIL51 marking and its assigned Experion Series C I/O position before work.

2

Isolate the applicable power and field energy before disconnecting DC-TAIL51.

3

Protect DC-TAIL51 connectors and electronic assemblies with approved ESD controls.

4

Record the installed wiring, channel assignment and configuration before replacement.

5

Match CC-PAIL51 LLA module and Series C carrier to the documented system arrangement.

6

Commission DC-TAIL51 with controlled status, signal and diagnostic checks.

7

Retain the final thermocouple cabinet inputs functional-test result in the maintenance record.

MANUFACTURER SOURCE RECORD

Honeywell product nameplate and Series C I/O documentation

PWA 51307601-176 Rev B

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