

## DC-TAIL51

### Low-Level Analog Input IOTA

CONTROLLED ENGINEERING COPY

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



#### APTER POWER SALES TEAM

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



DC-TAIL51

# 01 PRE-INSTALLATION PLAN

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 LLAI module and Series C carrier to the documented system arrangement.

## MATCHED HARDWARE

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

## 02 WIRING & INTERFACE CHECKS

| CHECK ITEM       | REQUIRED VALUE         |
|------------------|------------------------|
| PWA number       | 51307601-176           |
| PWA revision     | B                      |
| Companion module | CC-PAIL51              |
| Signal type      | Low-level analog input |
| Input channels   | 16                     |

APTER POWER

### FIELD NOTE

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

## 03 COMMISSIONING WORKFLOW

1

Confirm DC-TAIL51 and part number 51307601-176 against the installed record.

2

Verify the physical connection to CC-PAIL51 LLAI module.

3

Apply the documented technical values for pwa number.

4

Exercise the function: terminates low-level analog sensors.

5

Run a controlled test for thermocouple cabinet inputs.

6

Record the final state, diagnostics and operator acceptance before release.

## 04 RETURN-TO-SERVICE RECORD

- ☐
- Commission DC-TAIL51 with controlled status, signal and diagnostic checks.
- ☐
- Retain the final thermocouple cabinet inputs functional-test result in the maintenance record.
- ☐
- Confirm the intended process response before normal operation.

### VERIFICATION RECORD

|                        |  |
|------------------------|--|
| TECHNICIAN             |  |
| DATE                   |  |
| CABINET / POSITION     |  |
| FINAL DIAGNOSTIC STATE |  |

### SOURCE IDENTIFIERS

Honeywell product nameplate and Series C I/O documentation  
PWA 51307601-176 Rev B

### APTER POWER SALES TEAM

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



DC-TAIL51