

8C-TDODB1

Redundant Digital Output IOTA

CONTROLLED ENGINEERING COPY

Confirm both output modules, redundant IOTA seating, group fuses and field-supply polarity before enabling the 32-channel bank.



APTER POWER SALES TEAM

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8C-TDODB1

01 PRE-INSTALLATION PLAN

1

Verify the complete 8C-TDODB1 marking and its assigned Experion Series 8 I/O position before work.

2

Isolate the applicable power and field energy before disconnecting 8C-TDODB1.

3

Protect 8C-TDODB1 connectors and electronic assemblies with approved ESD controls.

4

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

5

Match Two 8C-PDODA1 modules and 24 Vdc user supply to the documented system arrangement.

MATCHED HARDWARE

- Two 8C-PDODA1 modules
- 24 Vdc user supply
- Series 8 carrier
- Protected discrete loads

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Output channels	32
IOTA configuration	Redundant
Companion module	8C-PDODA1
Output supply	24 Vdc
Channel groups	4 groups of 8

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FIELD NOTE

Confirm both output modules, redundant IOTA seating, group fuses and field-supply polarity before enabling the 32-channel bank.

03 COMMISSIONING WORKFLOW

1

Confirm 8C-TDODB1 and part number 51307151-175 against the installed record.

2

Verify the physical connection to Two 8C-PDODA1 modules.

3

Apply the documented technical values for output channels.

4

Exercise the function: terminates thirty-two source outputs.

5

Run a controlled test for redundant solenoid outputs.

6

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

04 RETURN-TO-SERVICE RECORD

- ☐
- Commission 8C-TDODB1 with controlled status, signal and diagnostic checks.
- ☐
- Retain the final redundant solenoid outputs 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 Series 8 Digital Output Specification
Series 8 DO 24 Vdc

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