CC-PDOB01 51405043-176

Digital Output Module

CONTROLLED ENGINEERING COPY

Check group and module current limits together. FAILOPT behavior must match the approved process safe state before field power is restored.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	CC-PDOB01 51405043-176
Manufacturer part	51405043-176
Hardware type	32
System family	Experion Series C I/O

1 PLAN — 2 ISOLATE — 3 CONNECT — 4 CONFIGURE — 5 TEST

APTER POWER SALES TEAM

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01 PRE-INSTALLATION PLAN

1. Confirm CC-PDOB01 and part 51405043-176.
2. Record all 32 channel, group and load assignments.
3. Place field outputs in their approved safe state.
4. Isolate bussed 24 Vdc power before module work.
5. Verify CC-TDOB01 or CC-TDOB11 matches the intended redundancy.

MATCHED HARDWARE

- CC-TDOB01 nonredundant IOTA
- CC-TDOB11 redundant IOTA
- 24 Vdc field supply
- Protected discrete field loads

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	CC-PDOB01 51405043-176 / 51405043-176 recorded
Physical interface	CC-TDOB01 nonredundant IOTA
Companion check	CC-TDOB11 redundant IOTA
Functional proof	Provides thirty-two bussed 24 Vdc source outputs.
Application test	Solenoid valve outputs

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Output channels	32
Output type	Bussed 24 Vdc source
IOM model	CC-PDOB01
Part number	51405043-176
Nonredundant IOTA	CC-TDOB01
Redundant IOTA	CC-TDOB11
Maximum load voltage	30 Vdc
Per-channel load	0.5 A
Group limit	4 A per 8 channels; no short
Module limit	6 A
Galvanic isolation	1500 Vac RMS or +/-1500 Vdc
Short protection	Electronic; fuse-less
Safe behavior	FAILOPT hold or safe value

FIELD NOTE

Check group and module current limits together. FAILOPT behavior must match the approved process safe state before field power is restored.

03 COMMISSIONING WORKFLOW

1. Confirm CC-PDOB01 51405043-176 and part number 51405043-176 against the installed record.
2. Verify the physical connection to CC-TDOB01 nonredundant IOTA.
3. Apply the documented technical values for output channels.
4. Exercise the function: provides thirty-two bussed 24 vdc source outputs..
5. Run a controlled test for solenoid valve outputs.
6. Record the final state, diagnostics and operator acceptance before release.

COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	CC-PDOB01 51405043-176 / 51405043-176 recorded
Physical interface	CC-TDOB01 nonredundant IOTA
Companion check	CC-TDOB11 redundant IOTA
Functional proof	Provides thirty-two bussed 24 Vdc source outputs.
Application test	Solenoid valve outputs

04 RETURN-TO-SERVICE RECORD

- [ ] Check group and module current limits before energization.
- [ ] Test configured FAILOPT and short-circuit diagnostics.
- [ ] Retain the witnessed output and redundancy acceptance record.
- [ ] Confirm the intended process response before normal operation.

VERIFICATION RECORD

PRODUCT IDENTITY	CC-PDOB01 51405043-176
INSTALLED POSITION	Documented Experion Series C I/O position
VERIFICATION METHOD	Controlled inspection and functional test
RELEASE RECORD	Final diagnostic state retained before service

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
Honeywell MC-TDOR62	TPS relay-output termination	View Honeywell MC-TDOR62 page
Honeywell MC-TPIX12 51304084-175	TPS pulse-input termination	View Honeywell MC-TPIX12 51304084-175 page
Honeywell MC-TSIM12 51303932-476	TPS serial-interface termination	View Honeywell MC-TSIM12 51303932-476 page
Honeywell MC-TAOY25 51305865-275	TPS analog-output termination	View Honeywell MC-TAOY25 51305865-275 page
Honeywell DC-TFB412	Series C redundant FIM IOTA	View Honeywell DC-TFB412 page
Honeywell MC-IOLX02	TPS remote I/O link extender	View Honeywell MC-IOLX02 page
Honeywell 10002/1/2	FSC control and I/O module	View Honeywell 10002/1/2 page
Honeywell 10014/F/F	FSC communication module	View Honeywell 10014/F/F page

SOURCE IDENTIFIERS

Honeywell Experion Series-C I/O Specification

EP03-490-520 Version 1.5

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