

FXDOM01

DIASYS ControlNet FLEX I/O Digital Output Module

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Mitsubishi FXDOM01 is the diasys controlnet flex i/o digital output module for Mitsubishi Power DIASYS control system. It provides eight-channel isolated digital output switching on a ControlNet FLEX I/O network in the documented installation.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	FXDOM01
Manufacturer	Mitsubishi
System family	Mitsubishi Power DIASYS control system
Record scope	Installation, application and verification

1

2

3

4

5

PLAN

ISOLATE

CONNECT

CONFIGURE

TEST

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01 PRE-INSTALLATION PLAN

- 1

Confirm the complete FXDOM01 marking and the documented DIASYS ControlNet FLEX I/O Digital Output Module execution.
- 2

Place the machine, controller and affected process in the approved maintenance state.
- 3

Isolate all hazardous energy and prove the safe state before disconnecting hardware.
- 4

Record the installed position, every terminal or port, and the active engineering configuration.
- 5

Verify the exact electrical, interface and environmental limits in the manufacturer evidence.

MATCHED HARDWARE

- Mitsubishi FXDOM01 with complete article identity
- Matched Mitsubishi Power DIASYS control system host or connected equipment
- Documented power, signal and communication interfaces
- Approved configuration, diagnostics and acceptance record

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	FXDOM01 recorded
Physical interface	Installed terminals, ports and signal paths matched to the as-found record
Configuration	Approved hardware and engineering configuration restored
Functional proof	Controlled test confirms eight-channel isolated digital output switching on a ControlNet FLEX I/O network

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Digital outputs	8
Network platform	ControlNet FLEX I/O
Isolation	Individual opto-isolation
Output contact	MOSFET N.O. PhotoMOS relay
Output voltage with 1794-TB3	120 V DC / 120 V AC, 0.5 A
Output voltage with 1794-TBN	220 V DC / 230 V AC, 0.5 A
Output leakage current	10 microampere maximum
Output ON resistance	3.2 ohm maximum
Self diagnostics	Watchdog, low supply voltage and bus timeout
Compatible terminal bases	1794-TB3/TB3S and 1794-TBN/TBNF
Power supply	24 V DC +/-10%, less than 40 mA
FLEX bus supply	5 V DC, less than 80 mA
Operating temperature	0 to 55 deg C

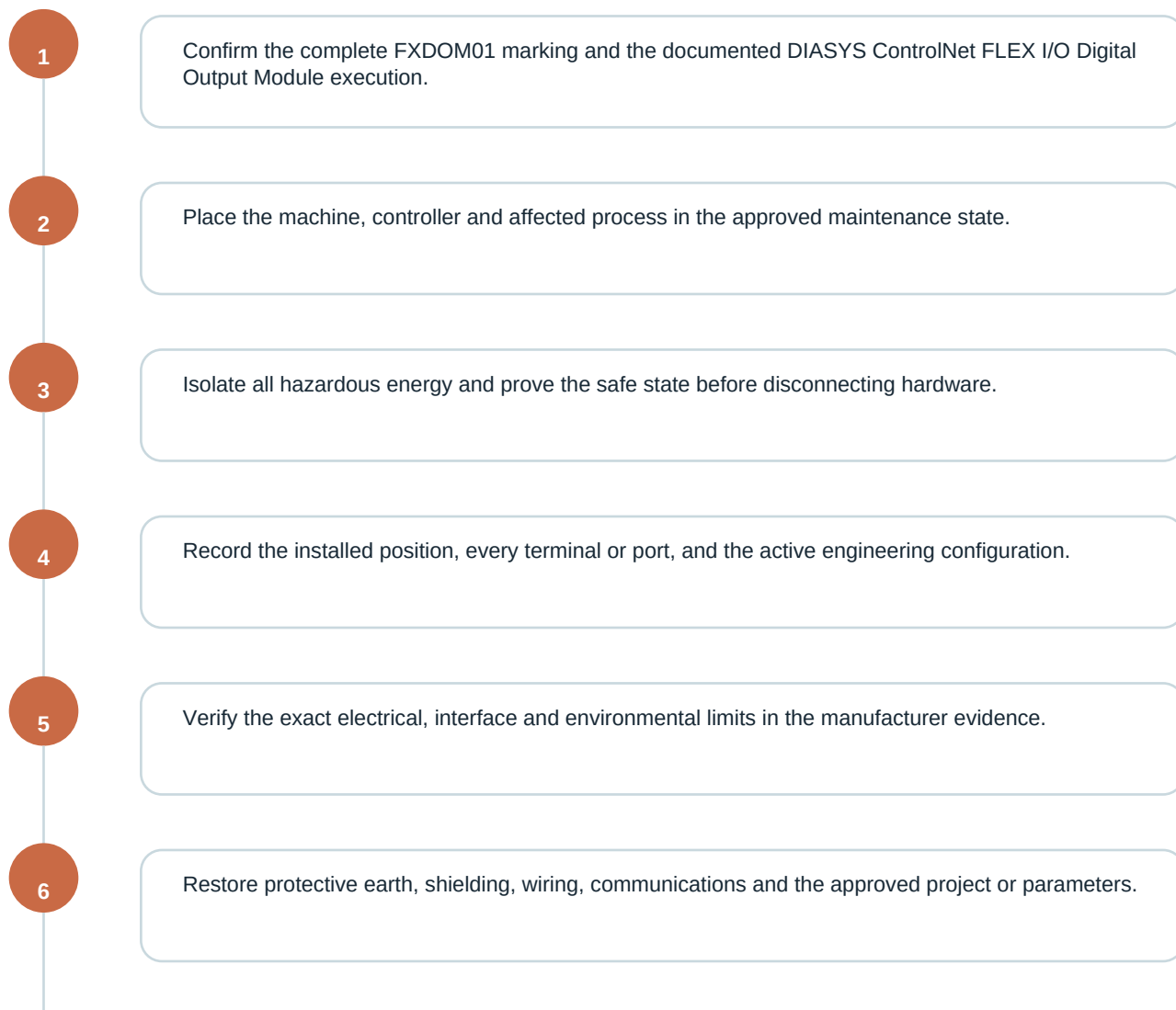
RELATED PRODUCT PAGES

- 1 Mitsubishi MR-D05UDL3M-B
- 2 Mitsubishi FX3U-4AD-PT-ADP
- 3 Mitsubishi FR-U120S-0.75K-ER

FIELD NOTE

Confirm FXDOM01, its exact Mitsubishi Power DIASYS control system host, power source, installed position, interfaces, configuration, diagnostics and controlled acceptance evidence before release.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	FXDOM01
Physical interface	Installed terminals, ports and signal paths matched to the as-found record
Configuration	Approved hardware and engineering configuration restored
Functional proof	Controlled test confirms eight-channel isolated digital output switching on a ControlNet FLEX I/O network

04 RETURN-TO-SERVICE RECORD

- ☐
- Verify the exact electrical, interface and environmental limits in the manufacturer evidence.
- ☐
- Restore protective earth, shielding, wiring, communications and the approved project or parameters.
- ☐
- Energize under control and review all device, rack, network and process diagnostics.
- ☐
- Complete a controlled functional test of eight-channel isolated digital output switching on a ControlNet FLEX I/O network before release.

VERIFICATION RECORD

PRODUCT IDENTITY	FXDOM01
INSTALLED POSITION	Documented Mitsubishi Power DIASYS control system position
VERIFICATION METHOD	Controlled inspection and functional test
RELEASE RECORD	Final diagnostic state retained before service

FUNCTIONAL ACCEPTANCE CHECKLIST

- ☐
- Verify the exact electrical, interface and environmental limits in the manufacturer evidence.
- ☐
- Restore protective earth, shielding, wiring, communications and the approved project or parameters.
- ☐
- Energize under control and review all device, rack, network and process diagnostics.
- ☐
- Complete a controlled functional test of eight-channel isolated digital output switching on a ControlNet FLEX I/O network before release.

SOURCE IDENTIFIERS

Mitsubishi Hitachi Power Systems FXDOM01 specification CGS-N2501-E-01 | Official manufacturer evidence verified 28 September 2026