

INDUSTRIAL AUTOMATION PRODUCT

FXDOM01

DIASYS ControlNet FLEX I/O Digital Output Module

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.

CONTROLLED ENGINEERING COPY

IDENTITY	VERIFIED VALUE
Manufacturer	Mitsubishi
System family	Mitsubishi Power DIASYS control system
Part number	FXDOM01
Document status	Controlled product and system reference

DOCUMENT SCOPE

Exact article identity, official technical data, host matching, installation checks, applications, precautions and controlled acceptance evidence.

MODEL-SPECIFIC ENGINEERING NOTE

Use FXDOM01 only in the documented Mitsubishi Power DIASYS control system position. Preserve the exact connectors, power, signal or network configuration and verify eight-channel isolated digital output switching on a ControlNet FLEX I/O network during controlled commissioning.

System Role and Architecture

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.

FUNCTION 1
Digital outputs: 8

FUNCTION 2
Network platform: ControlNet FLEX I/O

FUNCTION 3
Isolation: Individual opto-isolation

FUNCTION 4
Output contact: MOSFET N.O. PhotoMOS relay

RELATED APTER POWER PAGES

1 Mitsubishi MR-D05UDL3M-B

2 Mitsubishi FX3U-4AD-PT-ADP

3 Mitsubishi FR-U120S-0.75K-ER

MATCHED SYSTEM COMPONENTS

NO.	DOCUMENTED COMPONENT / ROLE
01	Mitsubishi Power DIASYS control system
02	Matched Mitsubishi Power DIASYS control system host or field system
03	Documented power, signal, communication and protective interfaces
04	Approved engineering configuration and acceptance record

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Host identity	Mitsubishi Power DIASYS control system
Interface role	eight-channel isolated digital output switching on a ControlNet FLEX I/O network
Field / power context	documented Mitsubishi Power DIASYS control system installation
Commissioning evidence	Identity, wiring, configuration, diagnostics and controlled response recorded

INSTALLATION AND CONNECTION CHECKS

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.

Technical Specifications

Technical values below are limited to the named product record and directly applicable manufacturer documentation.

PARAMETER	VALUE	PARAMETER	VALUE
Digital outputs	8	Output ON resistance	3.2 ohm maximum
Network platform	ControlNet FLEX I/O	Self diagnostics	Watchdog, low supply voltage and bus timeout
Isolation	Individual opto-isolation	Compatible terminal bases	1794-TB3/TB3S and 1794-TBN/TBNF
Output contact	MOSFET N.O. PhotoMOS relay	Power supply	24 V DC +/-10%, less than 40 mA
Output voltage with 1794-TB3	120 V DC / 120 V AC, 0.5 A	FLEX bus supply	5 V DC, less than 80 mA
Output voltage with 1794-TBN	220 V DC / 230 V AC, 0.5 A	Operating temperature	0 to 55 deg C
Output leakage current	10 microampere maximum	Operating humidity	35 to 95% RH, non-condensing

RELATED PRODUCT PAGES

1 Mitsubishi MR-D05UDL3M-B

2 Mitsubishi FX3U-4AD-PT-ADP

3 Mitsubishi FR-U120S-0.75K-ER

ENGINEERING BOUNDARY

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

PRE-INSTALLATION CHECKS

- 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.

Applications and Engineering Context

Mitsubishi Power DIASYS control system installation

Uses FXDOM01 for eight-channel isolated digital output switching on a ControlNet FLEX I/O network in the documented host architecture.

Controlled replacement

Restores the exact FXDOM01 identity, interfaces and configuration before energization.

Commissioning verification

Checks FXDOM01 diagnostics and the affected function under controlled conditions.

Lifecycle maintenance

Preserves the approved Mitsubishi Power DIASYS control system wiring, network and engineering record during service work.

TECHNICAL NOTE

Use FXDOM01 only in the documented Mitsubishi Power DIASYS control system position. Preserve the exact connectors, power, signal or network configuration and verify eight-channel isolated digital output switching on a ControlNet FLEX I/O network during controlled commissioning.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	FXDOM01 recorded
Host / carrier	Mitsubishi Power DIASYS control system
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

IMPORTANT NOTICE

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

Related Products and Source Record

Brand-qualified Apter Power navigation links are provided for system planning only; manufacturer evidence remains the named source record.

RELATED PRODUCTS ON APTER POWER

1

Mitsubishi MR-D05UDL3M-B

View Mitsubishi MR-D05UDL3M-B page

2

Mitsubishi FX3U-4AD-PT-ADP

View Mitsubishi FX3U-4AD-PT-ADP page

3

Mitsubishi FR-U120S-0.75K-ER

View Mitsubishi FR-U120S-0.75K-ER page

MODEL-SPECIFIC TECHNICAL SNAPSHOT

OFFICIAL PARAMETER	DOCUMENTED 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

MANUFACTURER SOURCE RECORD

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

APTER POWER SALES TEAM

WHATSAPP / PHONE

+86 180 3023 5313

EMAIL

sales13@apterpower.com

WEBSITE

www.apterpower.com



RECOMMENDATION SCOPE

These links support product navigation and comparison. Technical values in this document are sourced only from the manufacturer record above.