

DIASYS NETMATION C-NET

Product Data Sheet

FXDOM01

Eight-channel digital output module

OUTPUT CHANNELS	CHANNEL ISOLATION	OUTPUT CONTACT	1794-TB3 OUTPUT RATING
8	Individual opto-isolation	Normally open MOSFET PhotoMOS relay	120 V AC/DC, 0.5 A

FXDOM01 is an eight-channel digital-output module documented by Mitsubishi Hitachi Power Systems for the DIASYS Netmation ControlNet-based I/O platform. It provides individually isolated switching outputs for compatible plant-control circuits through the documented FLEX I/O terminal bases.

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VERIFIED TECHNICAL DATA

Output channels	8
Channel isolation	Individual opto-isolation
Output contact	Normally open MOSFET PhotoMOS relay
1794-TB3 output rating	120 V AC/DC, 0.5 A
1794-TBN output rating	220 V DC / 230 V AC, 0.5 A
Maximum output leakage	10 microampere
Maximum ON resistance	3.2 ohm
Module supply	24 V DC +/-10%, less than 40 mA
FLEX BUS supply	5 V DC, less than 80 mA
Compatible terminal bases	1794-TB3/TB3S; 1794-TBN/TBNF

ADDITIONAL PRODUCT DATA

Dielectric withstand	1500 V AC for 1 minute
Operating temperature	0 to 55 C
Operating humidity	35 to 95% RH, noncondensing
Storage temperature	-10 to +70 C
Vibration rating	2 G at 10 to 500 Hz

DOCUMENTED USE SETTINGS

Plant Control Outputs Across Thermal Power Generation Facilities: Thermal power plant auxiliary circuits with discrete switching demands.

Discrete Plant Control Within LNG Carrier Operating Facilities: LNG carrier machinery control circuits with discrete operating demands.

Plant Control Outputs Within Seawater Desalination Operating Facilities: Seawater desalination process areas with discrete plant operating demands.

SYSTEM COMPATIBILITY

Use FXDOM01 only with the documented FLEX I/O/ControlNet arrangement and compatible terminal base. The eight individually isolated outputs use normally open MOSFET PhotoMOS contacts; do not treat the module as a MELSEC PLC output card.

OFFICIAL SOURCE

Mitsubishi Hitachi Power Systems CGS-N2501-E-01, 31 March 2014, pages 1-2

AMIKON PRODUCT SUPPORT

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