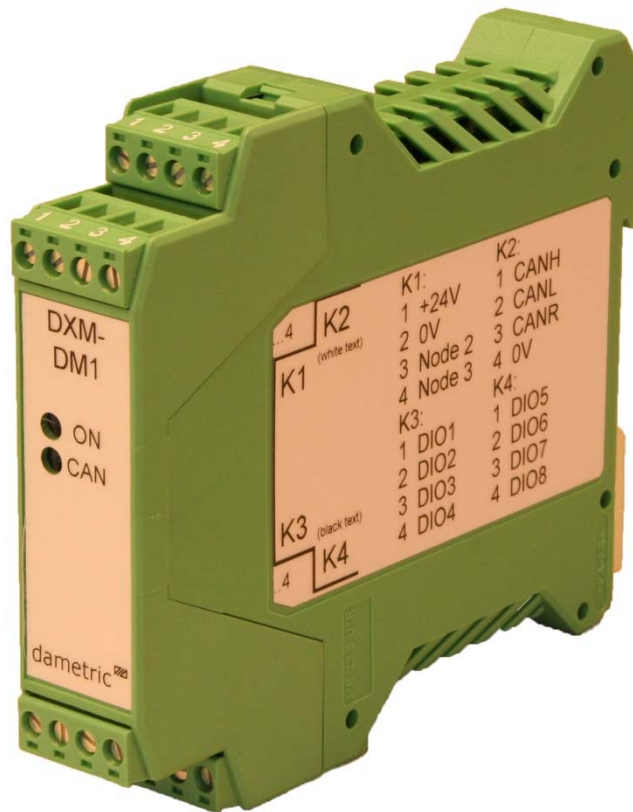


dametric 

DXM-DM1



Digital Extension Module

Description



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1 General

This manual describes the functions in the DXM-DM1, Digital Extension Module. The unit is used as an option module with the RMS/GMS monitor systems. The unit provides additional digital in- and outputs.

2 Digital in- and outputs

The unit is powered from the 24VDC power supply. The DXM communicates with the RMS/GMS-units by the CAN-interface, where data for the in- and outputs are interchanged. The 8 digital I/O can be configured in several different setups: like 4 inputs and 4 outputs, 8 inputs or 8 outputs. The setup is controlled by a parameter in the DXM unit.

3 LED indicators

Two led indicators are placed in the front and indicate the following states.
 ON - Green Indicates power on
 CAN - Yellow Indicates the traffic of the CAN interface.

4 Node

The node is programmed by jumpers on the power connector. The node setting is used when multiple CSM and DXM units are connected on the same physical CAN interface.

Input K1/3	Input K1/4	Node number
open	open	1
connected to K1/2	open	2
open	connected to K1/2	3
connected to K1/2	connected to K1/2	4

5 Technical specification

Power supply:	24 VDC, $\pm 10\%$
Current consumption:	Nominally 0.05A, max. 0.5A
Digital outputs:	0 to 8 outputs 24VDC, maximum load 100mA
Digital inputs:	0 to 8 inputs 24VDC
Case size:	Height=110 mm, width=23 mm, depth=115 mm
Housing:	Polycarbonate (30%GV), DIN-rail
Connection:	Jackable screw connectors, max 2.5mm ² area
Indicators:	Green + yellow led's.

6 Valmet article number

VAL0335731

7 Connection

K1 +24V, nodes

K1/1	+24VDC	Power supply
K1/2	0VDC	0V
K1/3	Node +1	See table above
K1/4	Node +2	See table above

K2 CAN

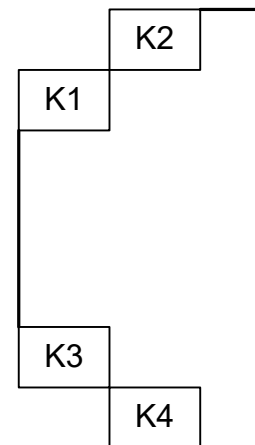
K2/1	CANH
K2/2	CANL
K2/3	CANR
K2/4	0V

K3 Digital input/output 1-4

K3/1	DIO1
K3/2	DIO2
K3/3	DIO3
K3/4	DIO4

K4 Digital input/output 5-8

K4/1	DIO5
K4/2	DIO6
K4/3	DIO7
K4/4	DIO8



Note that the connector numbering always has the number 1 pin to the left. The connectors on the top side (K1, K2) have white text while the text on the bottom (K3, K4) connectors is black.

8 Contact

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