

VDA-01D

0-10V Voltage Driver Module

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Features

- 0 – 10 V voltage driver
- Fully Isolated
- Handles 300ohm load
- Over current protected
- Over heat protected
- Factory calibrated
- Linet connection

Application

- Process control
- Climate control
- Lightning control
- Building automation

Description

VM-01F- module is isolated voltage driver made to control several different devices. Driver can sink & source current up to 100mA. (voltage & temperature depended) Driver has protection for over loading. Driver side needs external 24V power supply (can also use 24V feed from bus connector) to create 0-10V output.

Instructions

CAT6 type Linet cable shall be connected to the network connector. After system is powered up the module shall be configured as DATA12 group type. 8 MSB are used to create 0-10V output voltage.

Voltage driver data:

Calculation formula:

Data value /409,6 = Voltage

Example data:

0 = 0.0V

2048 = 5.0V

4095 = 10.0V

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Technical specifications

Parameter	Value	Unit
Output voltage range	0 – 10	V
Resolution	0,04	V
Temp limit	90	Celcius
Current Limit	100	mA
Max load	300	Ohm
External power supply	24V (+/- 50mV ripple allowed)	
External idle supply current	15	mA
Input impedance	100 000	Ohm
Operating temperature	-25 ...50	Celsius
Dimensions	50 x 66.5 x 20	mm

(Output current is limited by created power dissipation)

Ordering

VDA-01D Isolated voltage driver Module