

TWO STEPPER MOTOR CONTROLLER DR-12

Datasheet DR12.001

September 2023

Rotero Belgium

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1. Product designation

Two stepper motor controller DR-12 is an electronic device designed to operate and control stepper motors with a supply voltage of up to 1A and 24V.

Motion control program is fixed and needs to be programmed by Rotero.

2. Functions and possibilities

The controller unit performs the following functions:

- Control of CW and CCW speed and position using external signals.
- Control of acceleration and deceleration, current and this in both directions using preset parameters.
- Protection against an incorrect connection of the polarity of the power supply and from exceeding the total current consumption of the stepper motor.
- 2 Digital outputs : Status and error.
- 4 Digital inputs programmed according to wish user
- 2 stepper motor driven independent or synchronised from each other.

2.1 Construction and control elements

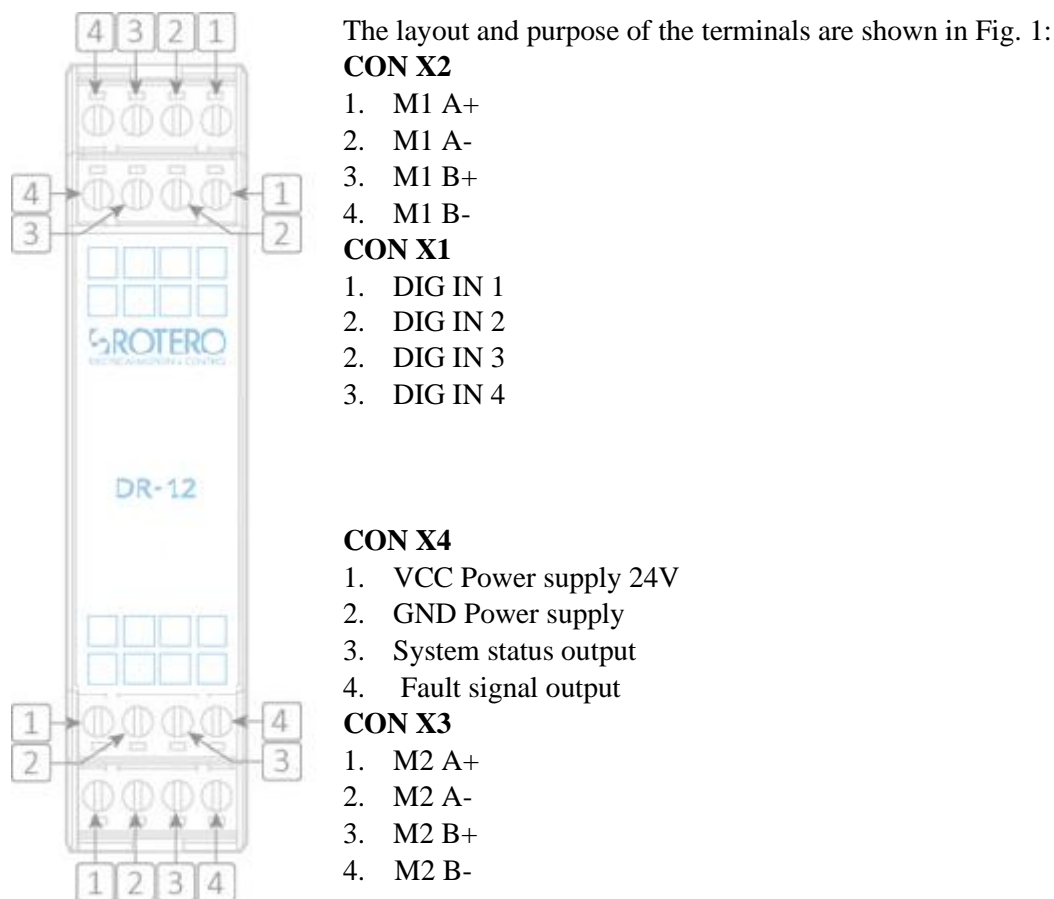


Fig. 1. Layout and purpose of terminals and control elements

2.2 Environmental Conditions

Ambient Temperature: 0...+50°C
 Humidity: 90% RH or less upon condition +25°C
 Condensation and freezing: none
 Atmospheric pressure: 650...800 mmHg

3. Technical characteristic

Model	DR-12
Power supply voltage, VDC	24
Maximum rated current for motor, A	1
Dimensions, mm	91x100x25
Own consumption current, mA	≤ 25 with U _{sup} = 24VDC
Digital input signal is high active	
Input resistance, kOhm	100
The minimum allowable voltage of the high level of the control signal, V	6
Maximum output current, mA (fused)	100 / 250mW
Output signal same as Power supply voltage	24VDC

4. Delivery in complete sets

Two stepper motor controller DR-12 1pc. (including 4pcs plug connectors)

5. Warranty

Any repair or modifications are performed by the manufacturer or an authorized company. The manufacturer guarantees the failure-free operation of the controller for 12 months from the date of sale when the operating conditions are satisfied.

The manufacturer's after sales department address:

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