

DC Motor Controller DMC10



DMC10 is a compact, programmable DC servo motor controller.

The DMC10 features control via either the built-in RS232 interface or an analog input (+/-10V).

In addition, the DMC10 can be controlled as a step motor system controller via a step-pulse and direction input.

The DMC10 can be configured for absolute/relative positioning via 4 inputs.

DMC10 accepts a balanced or unbalanced signal from a standard 2-channel incremental encoder.

All inputs and outputs are optically isolated and overload protected.

The DMC10 has 4 general-purpose outputs. These can be configured to provide a signal, for example, when the motor has reached a required position, or an error signal if a condition arises that prevents motor operation.

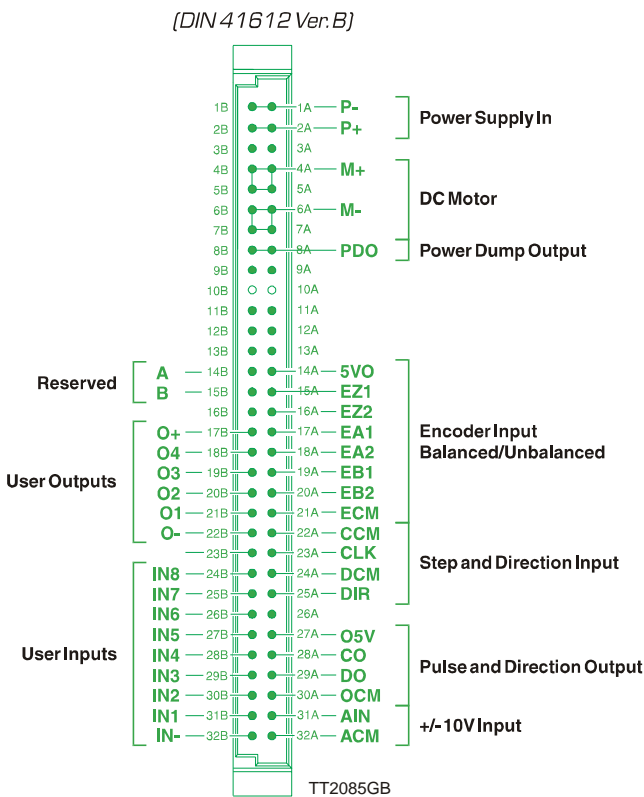
The DMC10 can be mounted in a 19" rack or on a surface

- Digital control loop
- EMC protected - CE approved
- Preprogrammed speed profiles
- Can handle motors up to 1kW
- Automatic Zero-point seek
- Setup stored in EEPROM

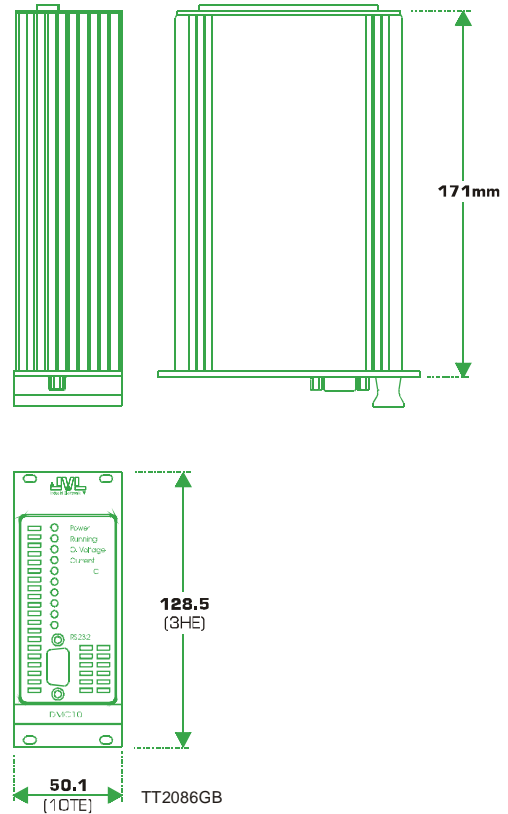
- Following input features:
 - Analog +/-10V
 - Step-pulse and direction
 - Digital selection of position
- RS232 Interface
- Current overload protection
- Current: 12A continuous, 25Apeak
- Short-circuit and thermal protection
- End-of-travel inputs
- Voltage overload protection
- Small physical dimensions
- Absolute/Relative positioning
- Extremely precise positioning

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Connector Pin Designations



Physical Dimensions



Technical Data

Description	Min.	Max.	Units
Supply Voltage:	15	80	VDC
Continuous Motor Current:	0	12	A
Peak Motor Current:	0	25	A
Max. Power Loss in Driver:	0	25	W
Motor Voltage:	0	85	V
Continuous "Power dump"	-	100	W
PWM Frequency:	22	23	kHz
Encoder Frequency:	0	500	kHz
Pulse Input - Frequency:	0	500	kHz
Encoder Supply (14A):	4.8	5.2	VDC
Temperature Protection:	-	75	°C
Weight:	-	720	gr.
Operating Temperature:	0	50	°C
User Inputs/Outputs:	4.5	30	VDC
Dimensions:	H = 128.5		mm
	D = 171		mm
	B = 50.1		mm

Accessories

Description	Type
Interface Cable (9pin)	RS232-9-1
Interface Cable (25pin)	RS232-25-9
Mounting Plate for surface	Base1
Connector Board for 19" rack	CON12
Programming Software	MotoWare



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