

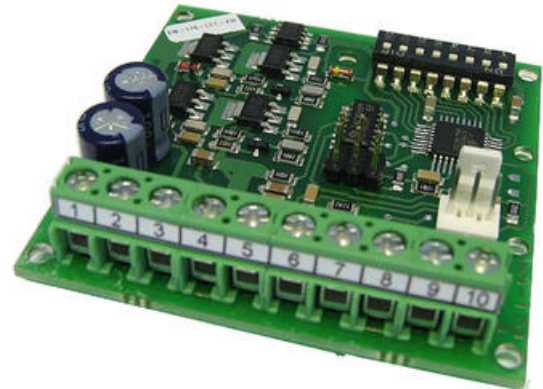
## ELECTROMEN - EM-170

DC motor 4Q drive 12-24 V dc, 1.5 A

EM-170

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- 12-24Vdc, 1.5A continuous, 2A peak
- Speed, direction and braking control
- Adjustable start ramp and current limit
- Compact, small size



### PRODUCT DESCRIPTION

EM-170 motor controller is designed for small DC-motors. The controller operates in 4-quadrants, in other words it is possible to drive the motor in variable speed, change motor running direction and brake. The power stage operates with PWM-principle and has thus high efficiency.

Speed set value is given as analog voltage signal. Motor voltage is fed back to controller, so changes in operating voltage will not affect motor running speed. 10V regulated auxillary voltage can be used for speed set potentiometer reference voltage. The acceleration speed can be adjusted with acceleration and deceleration ramp. Deceleration ramp can also be bypassed when rapid braking is desired. Additionally the unit is equipped with speed2-feature, which can be activated individually. This is especially practical in positioning applications. Current limit can be used to restrict motor torque and is dip-switch settable. Control inputs work with positive (NPN) logic. EM-170 is EMC-tested in accordance with industrial standards.

#### FEATURES:

- 4-quadrants
- controlled direction change
- brake
- adjustable current limit
- acceleration and deceleration ramp
- dip-switch settable
- EMC-tested

### TECHNICAL DATA

<b>Analogue input</b>	0-10V
<b>Control type</b>	Speed, Braking, Direction, Torque, Soft start / stop
<b>Current setting range</b>	0.2-2 A
<b>Dimensions length x width x height</b>	60x60x20mm mm
<b>Logic input high</b>	>4V = ON
<b>Logic input low</b>	<1V = OFF
<b>Max continuous current</b>	2 A

<b>Mounting</b>	DIN rail
<b>Operating temperature</b>	0°C...+60°C
<b>Peak current</b>	2 A
<b>PWM frequency</b>	16kHz
<b>Suitable engine</b>	DC
<b>Supplier</b>	Electromen
<b>Supply voltage</b>	12 V DC, 24 V DC
<b>Weight</b>	30 g

