

## ELECTROMEN - EM-362

DC Motor Controller 12-36V 160A

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- 12-36Vdc, 160A continuous, 300A peak
- For brushed motors up to 1.8kW at 12V, 2.7kW at 24V, 3.0kW @ 36V
- Integrated cooling fan
- Limit switch inputs for end of travel
- Compact, DIN rail mountable



### PRODUCT DESCRIPTION

The EM-362 is a four-quadrant driver designed for low-voltage permanent magnet brushed motors. Acceleration and braking ramps are available for a smooth starts and decelerations. An adjustable current limit protects the motor from overloading during the drive phase and there is also a current limit for regenerative braking also.

The EM-362 controller accepts a nominal supply voltage of 12-24Vdc, and can still operate with a supply as low as 8V. It has an integrated cooling fan to ensure adequate cooling while the drive is running.

Applications:

- Autonomous vehicles
- Winches and lifts
- Access control
- General automation

### TECHNICAL DATA

<b>Analogue input</b>	+/-0-5V or +/-0-10V or 0-5V or 0-10V
<b>Control type</b>	Speed, Braking, Direction, Torque, Soft start / stop
<b>Current setting range</b>	1-255 A
<b>Dimensions length x width x height</b>	1 mm
<b>Logic input high</b>	>4V = ON
<b>Logic input low</b>	<1V = OFF
<b>Mounting</b>	DIN rail
<b>Operating temperature</b>	-40°C...+60°C
<b>Peak current</b>	300 A
<b>PWM frequency</b>	2kHz/16kHz
<b>Suitable engine</b>	DC
<b>Supplier</b>	Electromen
<b>Supply voltage</b>	12 V DC, 24 V DC

