

INSTRUCTION

EMG - Adjustable motor / and speed regulator

Order No. 19260

EMG - Function and information

The EMG is an adjustable power supply for small DC motors or similar. With this circuit board it is possible to adjust the speed of wired vehicles, for example. Depending on the type vehicle, the driving speed can be individually restricted. It is finally possible to have tractors, construction machinery or even trucks and buses drive at a realistic speed. The EMG is also very well suited for regulating rotational speeds. Be it the rotation speed of a wind turbine, a radar motor on a model ship or the fan of an RC truck.

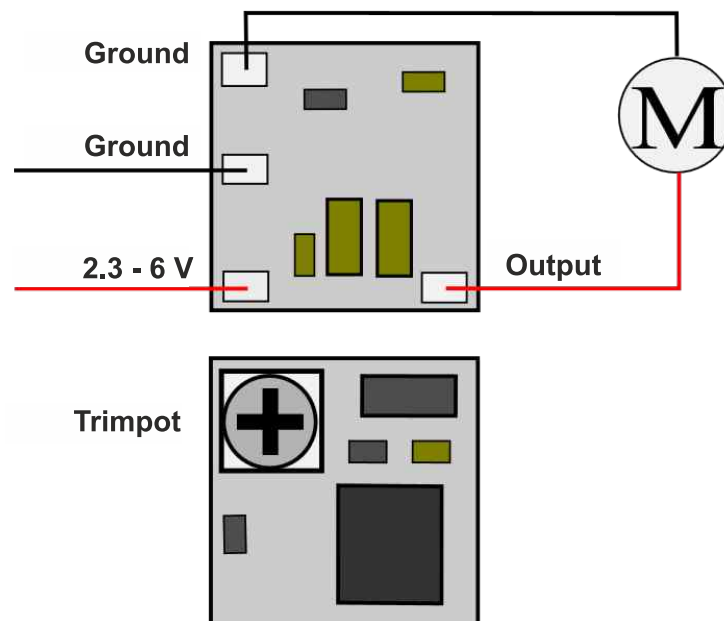
This circuit fits almost everywhere due to its size. A voltage of 2.3 to 6 V is applied to the input. On the output side, the motor is connected directly. The output voltage can now be adjusted with a fine screwdriver at the small trimpot. The EMG can handle peak currents up to 1 A and a continuous current of 500 mA.



Size: 10 x 10 mm

Technical data	EMG
Supply voltage	2.3 to 6 V
Output voltage	1 to ~6 V
Continuous current	500 mA
Pulse current	1 A max
Weight	0.4 g
Dimensions (mm)	10 x 10 mm

Connection



Safety advice for long service life:

Before the PWM is put into operation for the first time, the following check should be carried out to avoid damaging the component: **Check switching outputs for short circuit**