

## Gearboxes

Order code	Manufacturer code	Description
37-1245	919D2	REGULATOR VOLTAGE/SPEED (RC)

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The enclosed information is believed to be correct, Information may change without notice due to product improvement. Users should ensure that the product is suitable for their use. E. & O. E.	Revision A 20/02/2007

# Voltage/Speed Regulator Module

## Features

- Allows Infinitely variable R.P.M. to be set on MFA/COMO Drills / Gearboxes and motors
- Operates from input of 6-15 Volt
- Output from 0 volts to Input voltage
- Pulse width modulation provides proportional output control
- Small, compact and robust construction for versatility and reliability

## General Description

This unit is designed to allow gearboxes of 1.5 to 4.5V to be powered from a more convenient range of 6-15V DC power supplies (transformer/rectifier or battery) instead of a 1.5 – 4.5V battery.

## Instructions for use

1. Connect the two leads with the battery clips to your 12V DC supply (note this can be a 12V battery or a 12V DC transformer (with full wave rectification). Make sure you have connected the RED lead to the positive (+) supply and the BLACK lead to the negative (-) supply.
2. Connect the other two leads to your motor, these can be connected either way round depending on the direction of rotation required. Most DC motors are slightly more efficient when connected up RED to + (positive). Make sure your motor does not draw a higher current than specified below. (max. 3 amp running, 5A peak). Check this with an analogue meter if required.
3. Adjust the trimmer to obtain the desired voltage/speed with the adjuster provided. The trimmer hole can be located on the reverse of the PCB (See Diagram below).

**WARNING : DO NOT REMOVE THE CLEAR HEATSHRINK, AS THIS PROVIDES CORRECT ALIGNMENT OF THE HEATSINK TO PCB.**

## Specifications

Min Input Voltage	:	6 Volt
Max Input Voltage	:	15 Volt
Min Output Voltage	:	0 Volts
Max Output Voltage	:	15 Volts
Loading	:	3 Amps (Continuous)
	:	5 Amps (Peak Only)
Cables	:	21cm Approx.
Terminations	:	Insulated spade connectors fitted to Input cables
Dimension	:	37 x 27 x 18mm
Weight	:	30g Approx.