

## Operating / Maintenance Instructions

### RM-ECs



#### **Environment:**

- Install controller in a dry sheltered environment
- Controller temperature must not exceed 50<sup>0</sup>c

#### **Commissioning Instructions:**

To adjust available speed settings, rotate individual potentiometers clockwise (+) increase or anti clockwise (-) decrease, using a suitable flat bladed screwdriver or similar. The 5 speeds should be adjusted individually between 'OFF' and 'Full Speed'. Speed setting R1 corresponds to the most counter clockwise switch position. R5 corresponds to the most clockwise position. See wiring diagram. The RM-ECs is supplied allowing selection of 5 speeds. To reduce the number of speeds that may be selected, remove the knob and switch spindle nut, then move the tab collar as required. The switch spindle nut and knob must then be refitted securely.

Ensure the two marks line up between the overlay label on the lid to the label on the enclosure.

#### **Connections:**

See diagram on 210-OMI10790 for output / input and connection details. Wiring to the RM-ECs should be connected through the cable knock outs. A suitable gland or grommet should be used in the knock out to prevent wire chaffing and for cable restraint. A single controller can be used to control multiple fans at the same speed, provided all the 10V supplies from the fans are connected together on the screw terminal block. However, as more fans are added, the controller range will gradually become less linear.

#### **Operating Instructions:**

The rotary switch selects the required speed from the speeds available.

#### **Maintenance Instructions:**

This product contains no user serviceable parts.

# RM-ECs

## Variable 0-10V DC fan speed controller

### Installation

- 1) Install in a dry sheltered position.
- 2) Do not install in close proximity to heat sources.
- 3) The maximum ambient temperature of the controller must not exceed 50°C

### Wiring Diagram

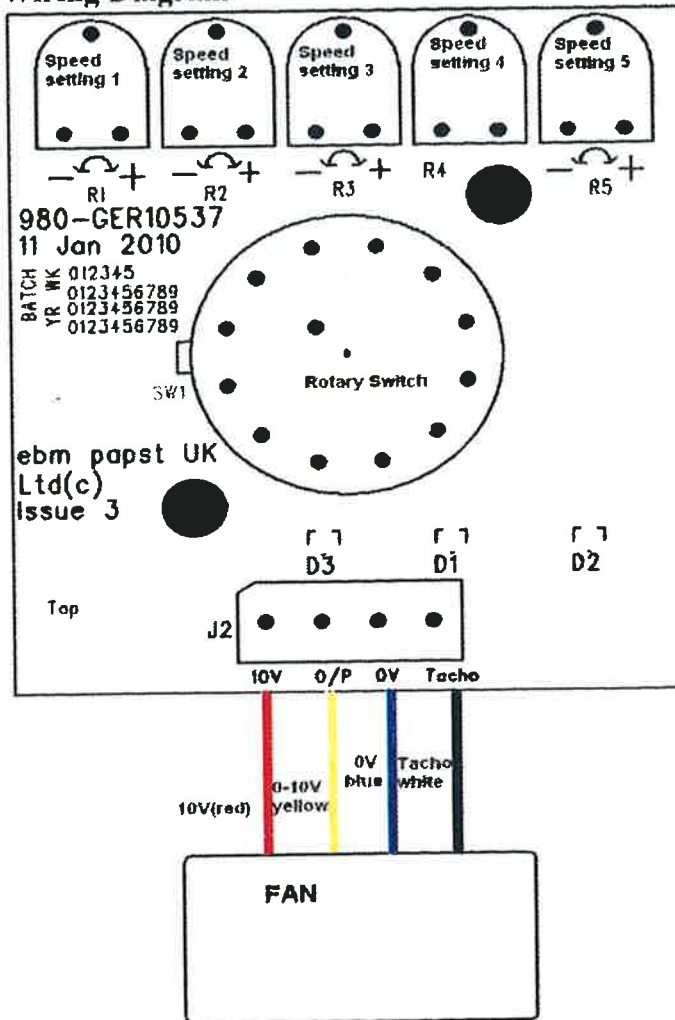


Fig 1

- 1) Fan connection to the controller is via a 4 way screw terminal block.
- 2) Speed selection is available using the rotary switch on the PCB.
- 3) The available speeds are determined by the variable resistor settings (R1-R5).

### Safety Information

- The controller is only suitable for a low voltage (10V DC) supply
- Electrical installations should only be carried out by qualified personnel

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