

Dual DIGI-Speed



Dual Motor Speed Controller.

The Dual DIGISpeed is used to individually control the speed of two 12volt brushed D.C. motors.



Figure 1: Control Layout and Indicator LEDs

Each motor has

1. Power Setting Knob
2. Green LED Indicating power to the motor.
3. On/Off (push-push type button).

A common Colour Status LED is used to indicate the overall state of the control as listed on the following page.

<i>Normal Operation Mode</i>	
<i>Status LED</i>	<i>Operation State</i>
Blue	Power Ok – Both Motors Off
Green Flashing	Running – One or Both Motors On

In the event of the DIGI-Speed controller detecting an error during operation both motors will be turned off.

The Colour Status LED will flash with one of the following Error conditions to indicate the cause of the error.

<i>Error Conditions</i>	
<i>Status Led</i>	<i>Nature of Fault</i>
Red-Orange	Over Current Indicates that a motor is drawing too much current due to heave load or a short circuit in the wires to the motor.
Red-Black	Driver Fault Fault condition has been detected in the motor drive electronics.
Orange-Black	Low Volts The Supply voltage to the DIGI-Speed was detected to be TOO low. Caused by Flat Battery or faulty power feed.
Red Green	Fuse Blown The 15amp fuse in the DIGI-Speed is being detected as faulty or the incoming supply is very low.
Red Blue	Over Temperature Internal Temperature of controller is to hot. Please allow to cool down and ensure it is not operating in direct Sunlight.

To reset an error condition press either of the motor On/Off buttons. The Colour Status LED should return to a steady Blue indication Power OK.

Normal operation should resume.

If an error persists the unit may need to be returned for service.

