

MODEL DS DUAL TRACK CONTROLLER WITH INERTIA AND BRAKE

WARNING: - THIS APPLIANCE MUST BE EARTHED. FOR INDOOR USE ONLY.

The controller should be regularly examined for potential hazards such as damage to the casing, cable or plug. In the event of any damage, the unit should not be used until the damage has been repaired. The unit should not be opened as it has no consumer repairable components. A repair service is available at the address shown below.

MAINS CABLE:

This unit is supplied fitted with a 3 amp fused plug. If this plug is not suitable for your supply, another plug must be fitted in the following manner:-

BLUE: To the small pin marked 'N' or coloured **Black**.

BROWN: To the small pin marked 'L' or coloured **Red**.

GREEN/YELLOW: To the large pin marked 'E' or by the symbol \perp

If any other type of plug is used, a 3 Amp fuse must be used in the mains circuit. If in doubt consult an electrician.

CONNECTIONS TO TRACK:

Connect the terminals marked "Track 1" to the section or track you wish to operate. Repeat with "Track 2". Reverse wires if the locomotive travels in the wrong direction on either track. Tracks 1, & 2 take their power from separate isolated transformer windings and are therefore suitable for Cab Control and Common Return wiring. Please ensure tracks/sections are correctly isolated from each other. This unit is suitable for use with all types of dc motors, including Portescap.

ACCESSORIES:

The "16v AC Accessories" terminals are for use with point motors and other AC electrical accessories, but are not suitable for Common Return wiring with the DC outputs. When used for point motors it is advisable to use a Capacitor Discharge Unit (CDU) to ensure successful operation.

The "12V DC Accessories" terminals are for use with lighting, turntables and other DC electrical accessories.

OPERATION:

Each output on your GAUGEMASTER controller is fitted with a vari-colour LED. At zero output the LED will glow red, and dependant upon the control level selected, will change colour through the range of red to orange and then green. Should the LED remain red, or change immediately from any other colour to red, then an overload condition has occurred and the unit has 'tripped'. Having investigated and rectified the overload condition the unit should be reset. Please note that whilst a tripped condition exists it may be possible to measure a small no load voltage at the output. This is normal. To reset the unit turn the appropriate control knob to zero and wait approx. 30 sec. before using the equipment as normal.

DIRECT CONTROL: Simulator switch set to "OFF". Locomotive responds directly to the regulator control.

INERTIA SIMULATION: Starting - Switch simulator switch to "ON" Adjust brake control to "RELEASE". Turn regulator to desired speed, the locomotive will gradually accelerate away.

Coasting - Turn regulator to "OFF" position and "APPLY" brake. Locomotive will gradually coast to a stop.

Braking - Turn brake control towards "APPLY", leaving the regulator in the normal open position and the locomotive will slow. For emergency stop turn the brake fully to "APPLY". Leaving the regulator open with the brake applied is quite normal. The locomotive will accelerate to normal running speed as the brake is released.

OUTPUTS:

Track 1	0-12Vdc Controlled	} 1 Amp Max	Track 2	0-12Vdc Controlled	} 1 Amp Max
Accessories	12Vdc Uncontrolled		Accessories	12Vdc Uncontrolled	
Accessories	16Vac Uncontrolled	1 Amp Max Each			

GUARANTEE:

We undertake to replace, free of charge, any parts found defective within the lifetime of the unit, providing the item has not been tampered with and parts are still available for such a repair. This guarantee covers only the supply of replacement parts, labour cost for fitting of same and the cost of returning the unit to the customer or retailer. This Guarantee does not affect your Statutory Rights.

We reserve the right to vary design or specification without notice.

CONSTRUCTED TO EN60 742

A CATALOGUE ON THE FULL RANGE OF GAUGEMASTER PRODUCTS IS AVAILABLE
GAUGEMASTER CONTROLS PLC Gaugemaster House, Ford Road, Arundel, West Sussex, BN18 0BN.

Tel. No: **01903 884321** Fax.. No: **01903 884377**

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