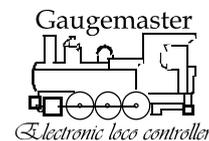


# GAUGEMASTER®

## MODEL 100M SINGLE TRACK CONTROLLER



**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 and 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 presently 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:-

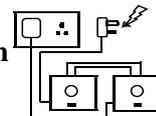
**BLUE:** To the small pin marked 'N' or coloured **Black**.

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

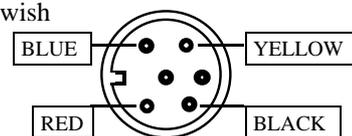
**GREEN/YELLOW:** To the large pin marked 'E' or by the symbol  or  coloured **Green** or **Green/Yellow**.

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.

**CAUTION:** It is very important that the outputs of two or more control units are not connected together in parallel. i.e. outputs linked. If done, there is a risk of electric shock from a plug not inserted into a socket.



**CONNECTIONS TO TRACK:** Connect the terminals marked "Track 1" to the section or track you wish to operate. There is no output at terminals marked "Track 2" until a walkabout control unit is plugged in. 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. The outputs of two or more control circuits must not be connected in such a way that both wires may accidentally be connected together, i.e. through switches or points, etc.



Connections of socket for Track 2 viewed from rear of Controller

**ACCESSORIES:** The "16v AC Accessories" terminals are for use with point motors and other 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 electrical accessories.

**OPERATION:** The 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 in accordance with the instruction below.

All outputs are protected by a thermal response cut-out devices. Should an overload condition be detected output will be greatly reduced and in most cases no output will be apparent. When an over load condition occurs the LED will glow red, and remain so irrespective of the output level set on the controller (See OPERATION). To reset the unit, having first investigated and rectified the reason for the overload, turn the control knob to and zero wait approx. 2 mins. before using the equipment as normal. 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.

This unit is suitable for use with all types of motors, including Portescap, and High Frequency Track Maintainers.

Outputs: Track1 0-12v DC Controlled } 1A Max  
Accessories 12vDC Uncontrolled }  
Track2 0-12v DC Controlled } 1A Max  
Accessories 16vAC Uncontrolled }

NB. Output at Track 2 present only when Hand Held controller plugged in.

**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

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