

GAUGEMASTER®

MODEL WS SINGLE TRACK CONTROLLER



WARNING: - THIS APPLIANCE IS 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.

The model 'WS' controller is designed to be used as an independent controller with a transformer or in conjunction with the GAUGEMASTER model '100M'. This unit is suitable for use with all types of motors, including Portescap, and High Frequency Track Maintainers.

When the unit is powered from the accessory outlet on an existing controller, care should be taken to ensure correct track isolation of the new section. Gaugemaster double wound transformers Types 'T1 or M1' are recommended.

INSTALLATION: Connect the 4-core cable as follows:

RED/BLACK to TRACK – Output 0 – 12v DC @ 1 Ampere maximum

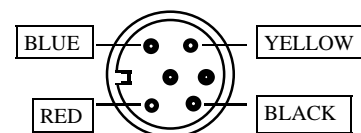
Reverse track connections for direction as necessary.

BLUE/YELLOW to Supply – Input 14 – 18v AC @ 16VA maximum.

This unit is suitable for Cab Control and Common Return wiring providing individual power supplies are used for each controller. 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 a short circuit occurs, i.e. through switches or points, etc. The output is protected by an overload device. Should an overload condition occur the LED will not light up, and will remain so irrespective of the output level set on the controller. To reset the unit, having first investigated and rectified the reason for the overload, turn the control knob to zero and wait approx. 2 minutes before using the equipment as normal.

For convenience on the layout the model 'WS' controller may be fitted with a plug (GM75) for use with a Gaugemaster 100M controllers. The Pin layout for the GM75 Din plug is shown below, and it is recommended that this configuration is also used when wiring in the GM75 Din plug and socket but remember the socket will be a mirror image.

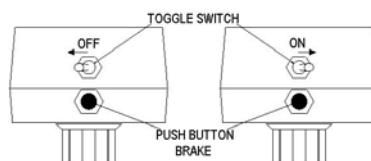
The DIN plug and socket are available as a pair as order code GM75.



PLUG VIEWED FROM REAR

STANDARD CONTROL: With the toggle switch set to off (see diagram) rotate the control knob from 0 to 100 noting the led indicator light, this should get brighter as the knob is rotated up the scale and extinguish at zero. Turn the output control knob to off and place a suitable locomotive onto your track, slowly increase the power using the control knob. The locomotive should move in conjunction with this operation and its direction can be changed via the forward and reverse switch marked (F – R), note this switch has a centre off position for isolating the track out-put. If the locomotive travels in the wrong direction reverse the track output connections.

INERTIA CONTROL: With the toggle switch set to on (see diagram) the controller output will now have an inertia effect delaying the locomotive movement. The standard controls are still used to control the loco but with a more prototypical feel, once in motion the push button (BRAKE) can be used to decrease the speed and bringing the loco to a stop. Please remember the loco will not come to a complete stop if the control knob is not set to zero, this we feel increases the users interaction with realistic running characteristics. In the event the control knob is set to zero but an inevitable overshoot is imminent then simply flick the toggle switch to OFF to bring the loco to an immediate stop.



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.

Not suitable for children under 14 years unless supervised by an adult.

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