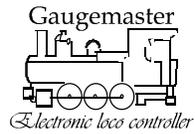
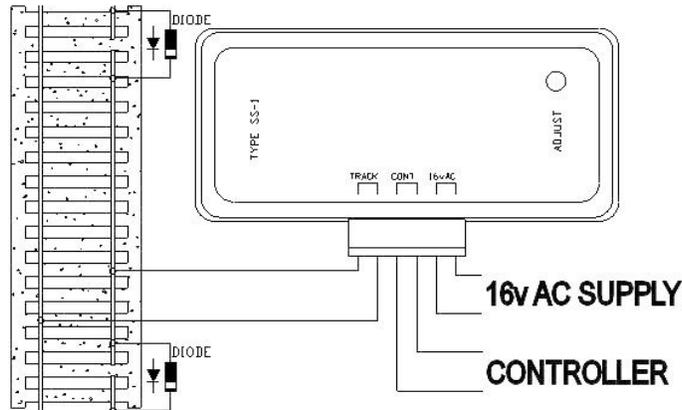


GAUGEMASTER®



SS-1LGB INSTALLATION INSTRUCTIONS

The SS-1LGB super shuttle is designed to be placed permanently in line with your track feed and provide an automatic end-to-end shuttle facility. As shown in the diagram, one rail will require a break at either end leaving a suitable length to fit the locomotive and rolling stock if used. The breaks in the track can be fitted with insulators if desired and are then both breaks are bridged using the two DIODES provided as indicated in the diagram. Note that the diodes face the same direction.



Place a locomotive on to the centre section of the track and adjust the controller to the desired speed. The locomotive will move to one end of the track and on crossing the rail break will stop. After a short period the loco will move in the opposite direction. Allow the unit to run a few times before any adjustment is made via the adjusting screw. Should the locomotive fail to reach the end section either increase the speed of the locomotive, or using a flat blade screw driver adjust the cycle time by piercing the label in the area marked ADJUSTMENT and rotating the trim pot.

Using your screwdriver you can rotate the trim pot clockwise to shorten or anti clockwise to increase the cycle time. The delay can be varied between approximately 20 to 70 seconds.

The unit is designed to be used on G scale or similar, The SS-1LGB can be used on any type of track at a maximum of 20Vdc @ 2.5ampere. The AC input has a range of 10 to 18Vac maximum and 20Vac is NOT suitable.

AVOID DROPPING- DELICATE ELECTRONICS.

Note: Incorrect connection can damage the unit. The unit has no serviceable parts and should not be opened; tampering or undue damage can invalidate the warranty.

WORKSHOP TIPS

This unit is designed to shuttle a loco or similar and a suitable power controller is required.

An AC supply is required and typically most controllers have a 15 to 16vac accessories output that can be used for this purpose, 20Vac is NOT suitable.

Install the unit and diodes as shown but before connecting the AC run the loco manually from end to end, the loco should stop at both ends automatically once the conductive parts have crossed the track breaks, the loco should also change direction when the controller is reversed.

Once this is confirmed connect the AC wires and run as normal.

The loco does not stop after crossing the break:

- 1) Is the track completely broken? disconnecting the diode leg will confirm this as the loco should be rendered inoperative in the relevant end section
- 2) Check the diode direction and reverse if required, note if this is the problem the loco will typically not stop unless the controller is reversed.
- 3) Ensure the track feed is connected in the centre section.
- 4) If rolling stock is used the diodes will require to be set at different lengths from the end of the track to allow the loco to cross the break.

The loco does not automatically change direction:

An AC feed is required to power the internal part of the unit that change the loco direction.

The loco changes direction before reaching the end section or only stops for a short period:

Check the adjustment is set to max and remember the cycle time is for the running and stop time combined.

GUARANTEE: We undertake to replace and fit, any parts found defective within the lifetime of the unit providing the item is returned and the required parts remain available. 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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