

## Introduction

On an **AutoShuttle** to **Issue 3** and later, supplied from February 2010, provision has been incorporated within the microcontroller program to permit it to be used, in addition, as a manual speed controller.

In **manual mode**, the **motor speed** is controlled directly by the setting of the **programming level potentiometer**, and FORWARD and REVERSE operation is controlled by the two programming switches, **S1** and **S2**.

## To Enter Manual Mode

Hold down programming switch **S1 only** when applying power to the **AutoShuttle**. The **AutoShuttle** will enter **manual mode** and immediately energise the motor in FORWARD operation with the motor speed set by the **potentiometer**.

Once in **manual mode**, there is no exit, other than by removing power from the **AutoShuttle**.

## Motor Control in Manual Mode

Once in manual mode, motor operation is controlled by programming switches **S1** and **S2**.

If the motor is running in either FORWARD or REVERSE, press **either S1** or **S2** once to **stop**.

If the motor is stopped, press **S1** once to select **REVERSE** motion, or press **S2** to select **FORWARD** motion.

Set the required **running speed** using the **potentiometer**.

## Manual Operation on Track Fitted with Magnets

If you require manual operation over a track fitted with magnets for shuttle operation of the **AutoShuttle**, you must first disconnect the reed switches to prevent them interfering with manual operation. The simplest way to achieve this is to insert a single pole switch in the reed switch wiring, as shown below. The switch must be **open** for **manual** operation, and **closed** for **shuttle** operation.

