

AUTOMATIC SHUTTLE TRAIN CONTROL

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ABSTRACT

Basically, this project revolves around the control of shuffle trains specifically in model railways. Through the implementation of the system I have proposed, the project aims to enable trains to move from one station to another and perform all the functions involved, such as starting and stopping as well as having a waiting periods at each station, and all this is done without any manual control, hence it is called the ‘automatic shuttle train control’.

The control of the train is performed by a circuit which is connected to the power supply sett which controls the track voltage. The train moves according to the train voltage and so the manipulation of the track voltage controls the stops and starts of the train. The implication of this is that the system can only be demonstrated on a model railway system that is controlled from the tracks, such as the scale sized model railway hobbyist types.