

Introduction

This supplement describes the functionality and installation of the *Random Signal Animator* (-IR) over and above those of the standard *Signal Animator* (-IR). Please refer to the standard instructions for basic installation details.

Operation

The *Random Signal Animator* can operate in two modes: purely random or random with train detection. In the purely random mode the signal will normally be green and at random times it will change to red then sequence to yellow and then back to green. In the other mode there will still be random signal changes but the signal will also change if the IR beam is reflected by the train. The time delay between color changes (red → yellow, yellow → green) varies slightly for each random event; this is meant to give the appearance of different length "phantom" trains. Further, this time delay can be doubled if you have the "DLY" jumper in the "30 seconds" position. Please note that the 10 or 30 second time delay only applies to signal color changes when a train is detected by the IR components. You establish the mode of operation using the terminal labeled PC. If you don't connect anything to the PC terminal then the mode will be purely random. If you connect the IR components (per the standard instructions) then the mode will be random with train detection.