

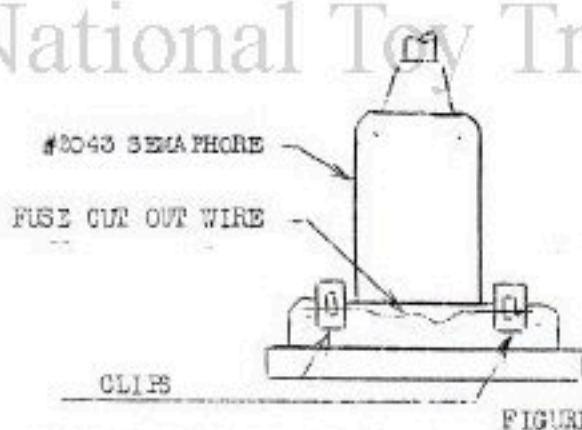
AUTOMATIC TRAIN CONTROLLING SEMAPHORE  
MODEL 2043 FOR EITHER WIDE OR NARROW GAUGE TRACK

This unit includes one Automatic Semaphore & one Equipment Controlling Switch.

INSTRUCTIONS FOR OPERATING AUTOMATIC TRAIN CONTROLLING SEMAPHORE  
(FOR EITHER NARROW OR WIDE GAUGE)

This equipment is so designed that when the arm of the Semaphore is in a horizontal or "stop" position, a train will proceed along the track until it enters the insulated section of track, where it will stop. Upon the operator pushing a button on the Equipment Controlling Switch, the arm of the Semaphore will point straight up, or in a "clear track" position, and the Train will again proceed.

INSULATED TRACK UNIT Connect four or more sections of straight track together. Remove the steel pin from the center rail at both ends of the track sections after they are joined together (see Fig. B) and REPLACE THE STEEL PINS WITH THE FIBRE PINS WHICH ARE PACKED WITH THE SEMAPHORE. This is important and if this instruction is not carried out the Semaphore will not operate. These sections of straight track will be referred to as the INSULATED UNIT track. Any track layout may be constructed, but the INSULATED UNIT must be used as one section.



A fuse "out out" wire is provided on the base to prevent burning out of the unit in case of a short circuit. Examine the "out out" wire thoroughly before installing the semaphore in the track layout. If it is broken, due to shipping, etc., insert another fuse wire into the two clips provided on the base, and the semaphore will operate correctly.

The Semaphore WILL NOT operate if the fuse wire is not connected to both clips. See Fig. A.

AUTOMATIC SEMAPHORE The Automatic Semaphore has a base equipped with two sliding clips. One clip pointed green and the other clip painted red. At one end of the INSULATED UNIT hook the base clips to the track so that the RED clip is hooked to the center rail of the INSULATED UNIT and the GREEN clip is hooked to the center rail of a track section not in the insulated unit. It is understood that the Semaphore base is hooked to the track sections so as to cover the end sleeper of one uninsulated track section and one end sleeper of the INSULATED UNIT. The single wire from the Equipment Controlling Switch is connected to the single post on the Semaphore opposite the red and green posts. The Automatic Semaphore is now ready to operate. Push the RED button on the Equipment Controlling Switch and when the train enters the INSULATED UNIT the train will stop. To start the train simply push the GREEN button on the Equipment Controlling Switch and the Semaphore arm will move up to "clear" or "proceed" position and the train will start.