

How to Operate LIONEL Distant Control A

WHEN switches are added to the model railroad, you have the advantage of being able to make many different types of track layouts, including spur lines, switching yards and double lanes of traffic.

Lionel manufactures several different types of switches. There are hand-operated switches, and there are "Distant Control" switches which can be operated at any distance from the track by means of a control switch. "Distant Control" Switches No. 223 (for Standard Gauge) and No. 011 (for "O" Gauge) have, in addition, an exclusive non-derailing feature. With them you will have no need to worry about derailed trains. They are constructed to function automatically if the switch, through oversight, is set against the passage of the train.

One outside rail of both the curved and straight track is insulated at two points. Make sure that a fibre pin is inserted at the ends of each of these insulated rails as shown in Figure 1.

Packed with each switch is a lamp, the signal cap, and a control lever to which three colored wires are attached.

The *red* wire of this control lever must be attached to the binding post of the switch having a *red* washer, the *white* wire to the binding post having a *white* washer and the *green* wire to the binding post having a *green* washer.

Each time the switch is thrown from one position to another, the signal box revolves, showing a red signal light or a green signal light. After you have screwed the lamp into its socket, fit the colored signal cap over the lamp, so that the *green* light shows when the switch is *closed* and *red* light shows when switch is *open* (see Figures 2 and 3).

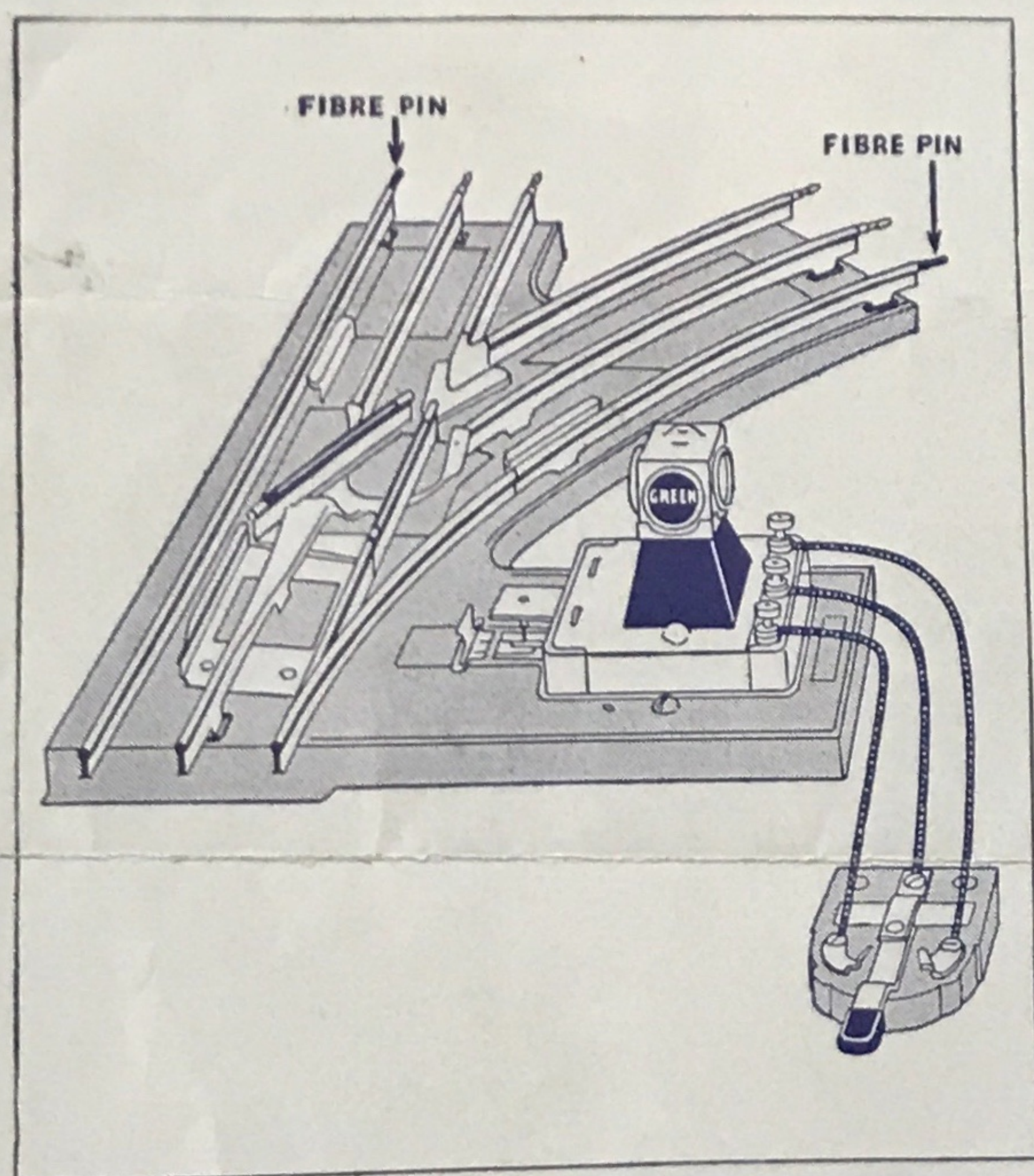


FIGURE 1.—LIONEL NON-DERAILING SWITCH (RIGHT-HAND) SHOWING CORRECT PLACING OF FIBRE PINS.

The lever of your control switch is held in the center, between two contact points, by means of a spring. One of these contact points is colored green and the other is colored red. In order to close the switch so that your train will travel down the straight track, move the lever to the green contact. Then release it *immediately* so that it springs back to the center position.

In order to open the switch, so that your train will travel into the curved track, move the lever to the right, so that it touches the red contact. Then release it *immediately* so that it springs back to the center position.

Remember that in order to throw the switch, it is necessary only to touch the contact point with the lever. If lever is held under the contact, the train will slow down.

In purchasing a new lamp for the signal light, specify lamp No. 28, if you have "Lionel Standard" gauge switch No. 223. If you have "O" gauge switch No. 011 secure lamp No. 27.