



Burning Switch Tower

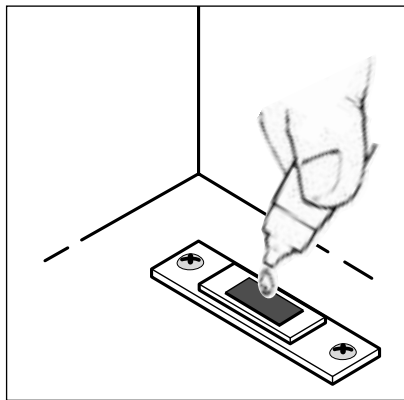


Congratulations on your purchase of the Lionel Burning Switch Tower. The burning switch tower is constructed of injection molded plastic and has been upgraded with a powerful DC motor, smoke unit and flickering lights for years of reliable operation and excitement. The burning switch tower can be placed on any Lionel O or O-27 gauge three-rail layout and is designed to operate at 12-18 volts alternating current.

Operation and Installation of your Burning Switch Tower

For optimum operation, its location on your layout should be flat and level. After you have wired your burning switch tower, simply place your burning switch tower in the area you have cleared for your accessory. The area required for your burning switch tower is 5 1/4 x 6 1/2". There is no need to secure your burning switch tower to your layout.

The next step prior to operation is to fill the smoke unit with Lionel smoke fluid (included). To do this, simply remove the roof by lifting it off of the tower. You will notice that inside of the building is a reservoir. Please see the diagram below. Using your Lionel smoke fluid, place approximately 5 to 10 droplets of fluid into the reservoir. You can now place the roof back on the tower and begin your operation.



(included) can be locked into the "ON" position. To turn on the lights and to start the smoke unit, slide the switch button on the slide switch we labeled as 1 into the "ON" position. Your lights should now come on. The light in the top of the tower will remain on while the two lights on the lower level of the tower will begin to flicker. After a few minutes, you will also notice that smoke will begin pouring out from under the roof.

To begin the movement of the figures, simply slide the switch button on the slide switch labeled as 2 into the "ON" position. The figures will begin moving. You now have a full four-alarm blaze on

your hands, so send the fire trucks!

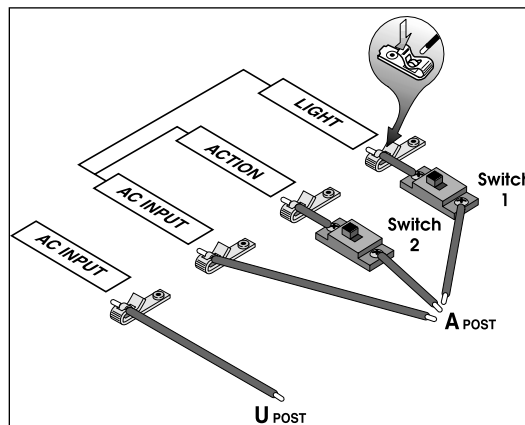
NOTE: When smoke output diminishes, add another 5 to 10 droplets of Lionel smoke fluid to increase the amount of smoke output.

Wiring your Burning Switch Tower

Your burning switch tower will operate best from 12-18 VAC. It can be powered with track power or a separate accessory power supply. It is possible to operate your burning switch tower any number of ways. Your burning switch tower will operate using SC-2 (command control) or using the included switches.

To connect your included switches to your burning switch tower, simply connect one insulated wire (included) from one of the spring clips labeled "AC INPUT" located on the bottom of the base to the "U" terminal of track power or a separate accessory power supply. Please see the diagram below. To connect the wires to the spring clips, press down on the springy upper half of the metal loop until the lower part projects through the slot. Insert the bare wire end into the loop and release the upper part of the clip. Spring tension will hold the wire tight.

Next, connect another insulated wire from the other spring clip labeled "ACTION" to the one side of one of the switches (included). In order to eliminate any confusion, you may want to label this slide switch as "slide



switch 2". Connect another insulated wire from the other spring clip labeled "LIGHT" to the one side of the other slide switch (included). In order to eliminate any confusion, you may want to label this slide switch as "slide switch 1". You will now want to take two insulated wires and connect each one to the opposite side of each slide switch.

Connect the next insulated wire to the other spring clip labeled "AC INPUT". You will now notice that there are three insulated wires that need to be connected to something. You will need to connect all three of these insulated wires to the "A" terminal of track power or a separate

accessory power supply. Your burning switch tower is now wired for operation in a conventional environment. To start the lights and smoke, simply depress the button on the slide switch labeled 1. To start the animation of the figures, simply depress the button on the slide switch labeled 2. To operate your burning switch tower in a Command Control environment, please see the section labeled **Operating Burning Switch Tower in Command Control**.

Operating your Burning Switch Tower in Command Control

Your burning switch tower can be used in a Command Control environment with the use of an SC-2. Your burning switch tower will not operate with an SC-1 due to the SC-1 power limitations. For instruction on wiring your burning switch tower to an SC-2, please following the wiring instruction for the 445 Switch Tower found in your SC-2 Switch and Accessory Guide on page 22.

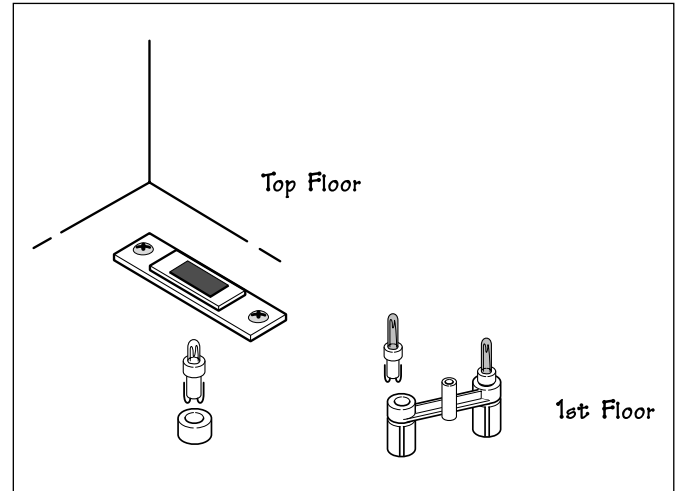
Replacing the Lamps in your Burning Switch Tower

Three lamps illuminate your burning switch tower. During the course of normal operation, these bulbs may require replacement. To replace the lamp on the top floor of the tower (Lionel part number 6SP-4104-100), first remove the roof from the tower. Now, grasp the lamp firmly and pull it straight out. Install the fresh lamp into the socket and replace the roof.

To replace the lamps located on the ground floor of your tower, you will need to do a little more work. Begin by removing the four screws located on the bottom of the base. You can now remove the building from its base. You will notice that there are two red bulbs (Lionel part number 6SP-4104-200) attached to the base. Now, grasp the lamp firmly and pull it straight out. Install the fresh lamp into the socket and building.

NOTE: Be careful of the staircase when removing the building from its base. The staircase has a tab to hold it securely into place. You will need to angle the building to free the staircase and its tab from the base.

Please note that the spring clip labeled 1 in your SC-2 Switch and Accessory Guide is the spring clip labeled "AC INPUT" on your burning switch tower. The spring clip labeled 2 is the spring clip labeled "ACTION". The spring clip labeled 3 is the spring clip labeled "AC INPUT". The spring clip labeled 4 is the spring clip labeled "LIGHT".



Limited Warranty/Lionel Service

This Lionel product, including all mechanical and electrical components, moving parts, motors and structural components, except for light bulbs, is warranted to the original consumer-purchaser, for one year against original defects in materials or workmanship when purchased through an authorized Lionel dealer.

This warranty does NOT cover normal wear and tear, light bulbs, defects appearing in the course of commercial use, or damage resulting from abuse or misuse of the product by the purchaser. Transfer of this product by the original consumer-purchaser to another person voids this warranty. Modification of this product voids this warranty.

Any warranted product which is defective in original materials or workmanship and is delivered by the original consumer-purchaser to Lionel L.L.C. or an authorized Lionel L.L.C. Service Station, together with proof of original purchase will, at the option of Lionel L.L.C., be repaired or replaced, without charge for parts or labor. In the event the defective product cannot be repaired, and a replacement is not available, a refund of the original purchase price will be granted. Any products on which warranty service is sought must be sent freight or postage prepaid, as transportation and shipping charges are not covered by the warranty.

In no event shall Lionel L.L.C. be liable for incidental or consequential damages.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusion may not apply to you.

This limited warranty gives you specific legal rights, and you may have other rights which vary from state to state.

Instructions for Obtaining Service

If service for this Lionel L.L.C. product is required, bring the item, along with your dated sales receipt and completed warranty information to the nearest Authorized Lionel Service Station. Your nearest Lionel Service Station can be found by calling 1-800-4-Lionel, or by accessing our Website at www.lionel.com.

If you prefer to send your product back to Lionel L.L.C. for factory repair, you must first call 810-949-4100 or FAX 810-949-5429, or write to Customer Service, P.O. Box 748, New Baltimore, MI 48047-0748, stating what the item is, when it was purchased and what seems to be the problem. You will be sent a return authorization letter and label to ensure your merchandise will be properly handled upon receipt.

Once you have received your return authorization and label, make sure that the item is packed to prevent damage during shipping and handling. We suggest that you use the product's original packaging. This shipment must be prepaid and we recommend that it be insured.

Please make sure you have followed all of the above instructions carefully before returning any merchandise for service.

Warranty Information

Please complete the information below and keep it, along with your dated sales receipt. You must present this and your dated sales receipt when requesting warranty service.

Name _____

Address _____

Place of Purchase _____

Date of Purchase _____

Product Number _____

Product Description _____



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