

## INSTRUCTIONS

# LIONEL TYPE ZW TRANSFORMER

115 VOLTS

60 CYCLES

275 WATTS

ALTERNATING CURRENT ONLY



## INTRODUCTION

Lionel electric trains operate on low voltage, ranging from 6 to 18 volts. Lionel Transformers reduce or increase the available house voltage to the low voltage required. The plug at the end of the transformer cord is plugged into any standard wall outlet of 115 volts, 60 cycles alternating current. The low voltage for operating trains and accessories is then obtained from the output terminals at the rear of the transformer.

The voltage rating of the "ZW" Transformer is 275 watts. The wattage of a transformer is a measure of its capacity in doing its house power. The wattage of the transformer you need is governed by the kind and number of trains and the number of lights and operating accessories in your model railroad system. The larger the trains and the greater the number of accessories, the more power you need and the higher should be the voltage rating of the transformer.

# Lionel Zw 275 Watt Service Manual

**R Pring**



**Lionel Zw 275 Watt Service Manual:**

**Model Railroad Craftsman** ,1985      **Model Railroader** ,1963      **Playthings** ,1960      **Blue Book of Quality Merchandise** Bennett Brothers,1961      *The Gannetteer* ,1963      *Forthcoming Books* Rose Arny,1986      *Complete Service Manual for Lionel Trains* Aurotech, inc,1978      **Greenberg's Lionel Service Manual** I. D. Smith,1984-01-01 Based on Lionel service manual sheets this four volume set features troubleshooting and repair instructions for products made between 1945 and 1969 Covers Lionel locomotives tenders passenger and freight cars track switches transformers trucks and accessories Includes exploded product illustrations diagrams parts numbers descriptions and original prices

**Greenberg's Repair and Operating Manual for Lionel Trains** Susan Pauker,Bruce C. Greenberg,1990

**Greenberg's Repair and Operating Manual for Lionel Trains** Susan Pauker,Bruce C. Greenberg,1981-06-01

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