

# *How to Operate* **LIONEL TYPE ZW TRANSFORMER**

**115 Volts**

**60 Cycles**

**275 Watts**

**Alternating Current Only**

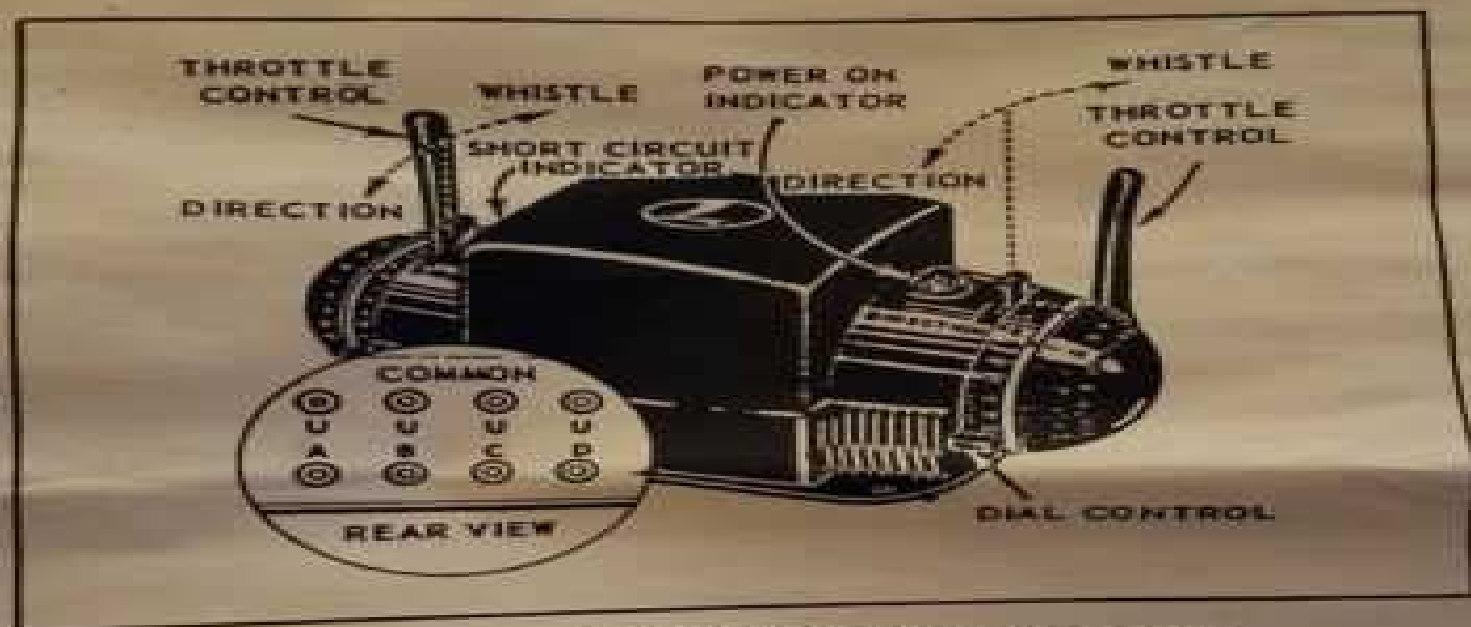


Figure 1 - Type ZW "Multi-Control" Transformer

Lionel electric trains operate on low voltage, ranging from 8 to 18 volts, depending on the size and type of the locomotive and the number of cars and accessories used. Lionel Transformers reduce, or transform, the available house voltage to the low voltage required. The plug at the end of the transformer cord is plugged into any convenient wall outlet of required voltage and frequency and the low voltage is then obtained from the output terminals at the rear of the transformer.

Type "ZW" Multi-Control Transformers are made to operate on 115-volt 60-cycle alternating current, which is the normal house power supply used in the United States. The wattage rating of the "ZW" Transformer is 275 watts. The wattage of a transformer is a measure of its capacity, or ability to furnish power. The rated voltage and frequency in cycles of

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**DP Hallahan**



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