

## Signal Transformers

### Signal Transformers

Transformers manufactured by W-C-H are designed specifically for use in railroad signal circuits. Several types are made available to address common applications. These transformers are intended for use with 60Hz, single phase AC input current. When used with frequencies of 50Hz or 100Hz, the units will run 5degC – 10degC hotter, but will suffer no reduction in available power.

### Construction

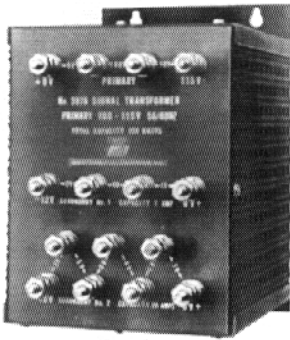
Railroad signal engineers select equipment that meets exacting standards for performance, throughout rigorous environmental extremes. W-C-H Signal Transformers are designed to meet these standards and are field-proven over many years of service. High efficiency is ensured through the use of silicon steel laminations. Windings are made of Formvar or polyurethane insulated wire with fiber insulation between layers. After winding, the coils are heated to remove moisture, dipped in varnish and baked. Standard Terminals are used on all Transformers.



Primary Volts AC	Secondary Volts AC	Part Number
115 @ 50/60 HZ	15 VAC @ 20 AMP	3978
	10 VAC @ 150 Milliamp	

Dimensions: 5-1/2" W x 9-1/2" H x 6-1/2" D  
 Mounting Centers: 2-7/8" x 9"  
 Weight: 20 lbs.

## Lighting Transformer



Primary Volts AC	Secondaries		Total V/A	Part Number
	Volts AC	Amps		
115 (5-100-10)	12 (2-9-1-)	1	350	3976
	15 (3-3-3-4-1-1)	20		

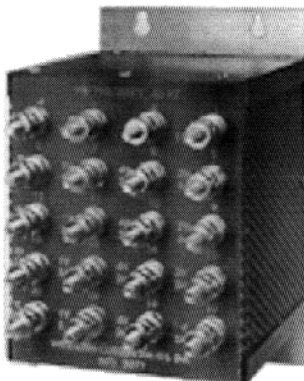
Two secondaries are provided; one to power a power-off indicator, the other to provide various lighting and/or AC and AC/DC track circuit functions.

Dimensions: 6" W x 10" H x 8-1/4" D (includes terminals)

Mounting Centers: 3-3/4" x 9-1/8"

Weight: 20 lbs.

## Track Transformer



Primary Volts AC	Secondaries		Total V/A	Part Number
	Volts AC	Amps		
230/115	7 (1-4-2)	3	84	3977

Four secondaries are provided for AC or AC/DC track circuit applications

Dimensions: 5-1/2" W x 9-1/2" H x 6-1/2" D

Mounting Centers: 2-7/8" x 9"

Weight: 6 lbs.

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