

RR1200 Railroad Signal Source

FEATURES

- Unique overload protection
- Short circuit protection with Automatic Reset
- Any fixed frequency from 50 Hz to 250 Hz
- Bench top or rack mount
- AAR terminals for Input & Output



SIGNAL SOURCE DESIGNED FOR THE RIGORS OF WAYSIDE RAILROAD SIGNALING

The **RR1200 Railroad Signal Source** delivers 1200 VA of clean, regulated AC power in a 3.5" high bench top unit that easily converts to rack mount, for far less than competitive models.

The **RR1200** will supply a clean, low distortion 120 VAC sine wave at any fixed frequency from 50 Hz to 250 Hz. Standard units are available at 50 Hz, 60 Hz, 83 Hz, 91.66 Hz, 100 Hz, 200 Hz and 250 Hz.

The **RR1200 Railroad Signal Source** has all the features our customers have come to expect from Behlman; clean sine wave output with excellent line and load regulation,

high efficiency and low harmonic distortion in a compact, rugged enclosure. In addition there is a unique overload protection system that folds back voltage to maintain rated output current without waveform distortion. **In the event of a short circuit the unit will automatically reset upon overload removal.** In addition the **RR1200** has a mechanical guard for the On/Off circuit breaker and AAR terminals on the rear for input and output connections.

The **RR1200 Railroad Signal Source** is ideal for use in bungalows as well as relay shops.

INPUT

Voltage: 120 VAC, +/- 10%
Frequency: 47-253 Hz

OUTPUT

Power: 1200 VA
Voltage: 120 VAC, isolated and floating
Frequency: (F) -50 Hz, -60 Hz, -83 Hz, -91.66 Hz, -100 Hz, -200 Hz, -250 Hz +/- 1%
Current: 10 Amps
Crest Factor: 3:1
Power Factor: 100% of rate output into any power factor load
Distortion: Less than 2.0% THD typical
Line Regulation: +/- 0.5% for +/- 10% line change
Load Regulation: +/- 1.0%, no load to full load
Efficiency: 80% typical

PROTECTIVE CIRCUITS

Input: Circuit breaker with surge arrestor and lightning protection
Constant Current: Overload automatically causes voltage fold-back to provide maximum current without distorting output waveform

Short Circuit:

Short circuit overload electronically opens output to protect load. Automatic reset upon overload removal

Thermal:

Internal temperature sensor prevents heat damage

Output:

Surge arrestor and lightning protection

FRONT PANEL CONTROLS /INDICATORS

Power On/Off: Circuit breaker with guard
Indicators: Power On and Fault

MECHANICAL & ENVIRONMENTAL

Dimensions: High-strength bench top chassis with removable rubber feet, 3.5"H x 17"W x 17"D (8.9 cm x 43.2 cm x 43.2 cm)
Weight: 39 lbs (17.6kgs),
Operating Temp: -13° to 131° F (-25° to 55° C)
Input Connections: Rear mounted AAR terminals
Output Connections: Rear mounted AAR terminals

MODEL SELECTION: RR1200-100

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