

BL1200C-8-RR(XXX) 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
- Removeable, washable air filter
- DMM's for volts, amps & frequency
- Alarms, indicators and contact closure



SIGNAL SOURCE DESIGNED FOR THE RIGORS OF WAYSIDE RAILROAD SIGNALING

The BL1200 Railroad Signal Source delivers 1200 VA of clean, regulated AC power in a 5.25" high rack mount chassis for far less than competitive models.

The BL1200 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 BL1200 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 BL1200 has a mechanical guard for the On/Off circuit breaker and AAR terminals on the rear for input and output connections.

The BL1200 Railroad Signal Source is ideal for use in bungalows as well as relay shops.

INPUT

Voltage: 120 VAC, +/- 10%
Frequency: 57-253 Hz

OUTPUT

Power: 1200 VA
Voltage: 120 VAC, Isolated and Floating
Adjustable +/- 10%, lock nut
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: +/- 0.7% for +/- 10% line change
Load Regulation: +/- 1.0%, no load to full load
Efficiency: 80% typical

CONTROL CIRCUIT

External Sync: Synchronize AC output with external input, 120 VAC in

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

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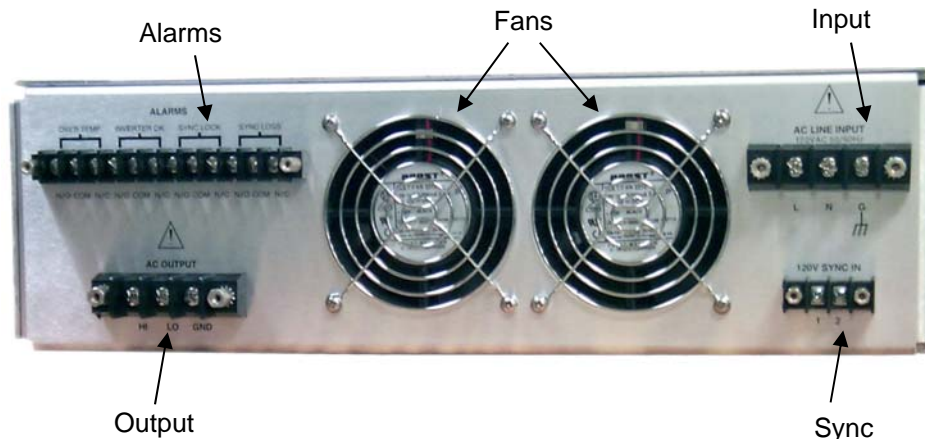
- ALARMS:** Contact closure & Indicator
1. Inv OK – Output Under & Over voltage
 2. Sync - Loss of sync input.
 3. Lock - Out of phase condition between Inverter output and Sync Input
 4. Over Temp - Over Temperature

MECHANICAL SPECIFICATIONS

Dimensions:	19" rack mount chassis: 5.25"H max x 22"D.
Air Filtering:	Front panel removable washable filter.
Operating Temperature:	0 to 55° C.
Humidity:	0 – 95 % Non condensing.
Cooling:	Internal fans.
Input connections:	Screw type terminals.
Output connections:	Screw type terminals.
Sync connections:	Screw type terminals

OPTIONS:

- ID:** Input Turn on Delay
- RC:** Ruggedized and Conformally coat PC boards
- S:** Slides, heavy duty, full set for each chassis



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