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# STANDARD POWER Inc

A Subsidiary of

Acme Electric Corporation

**500B SERIES**
**750B SERIES**

BLACK LINE POWER SUPPLY SERIES

OPERATING INSTRUCTIONS

## DESCRIPTION

The Standard Power Black Line consists of a series of economical, unregulated power supplies. A broad combination of voltages and currents has been chosen to fill a variety of DC power requirements. The output is floating and may be referenced to another low voltage, common, ground, or placed in series with another DC voltage.

## OPERATING PROCEDURE

INPUT: Connect 115 Vac, 50/60 Hz to terminals 1 and 3 of transformer. Taps 1 and 2 will give a higher output voltage for the same load, and taps 1 and 4 will give a lower output voltage.

OUTPUT: 500B SERIES Connections are made to the negative terminal of the large filter capacitor. The positive connection is made to the fuse terminal.

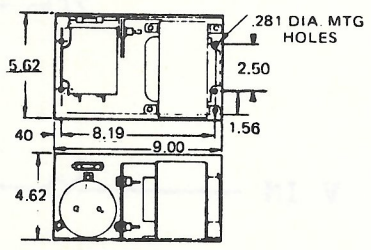
750B SERIES Connections are made to the output terminal strip marked + and -. If 28V output is desired, move the wire from transformer terminal 6 to transformer terminal 7.

CAUTION: Replace fuse with standard 3AG at same rating.

The appropriate nominal voltage versus load and maximum current for each model in the Black Line is given below:

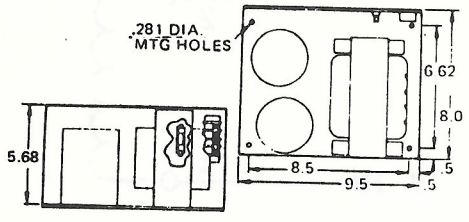
| Model | Vdc | Amps | Typical Full Load Voltage Output For Taps 1 & 2 | 1 & 3 | 1 & 4 | Typical MV RMS Ripple | 3AG Fuse Amps |
|---|---|---|---|---|---|---|---|
| 500B24 | 24 | 20.0 | 27.5 | 25.0 | 23.0 | 600 | 25.0 |
| 500B48 | 48 | 10.0 | 52.8 | 48.4 | 43.8 | 300 | 15.0 |
| 750B24 *Transformer Secondary connected 5-6 | 24 | 30.0 | 28.1 | 25.2 | 22.8 | 800 | 15.0 (2) |
| *Transformer Secondary connected 5-7 | 28 | 25.0 | 30.8 | 27.7 | 25.1 | 800 | 15.0 (2) |

**500B SERIES**




Weight: 20 lbs.

**750B SERIES**




Weight: 28.5 lbs.

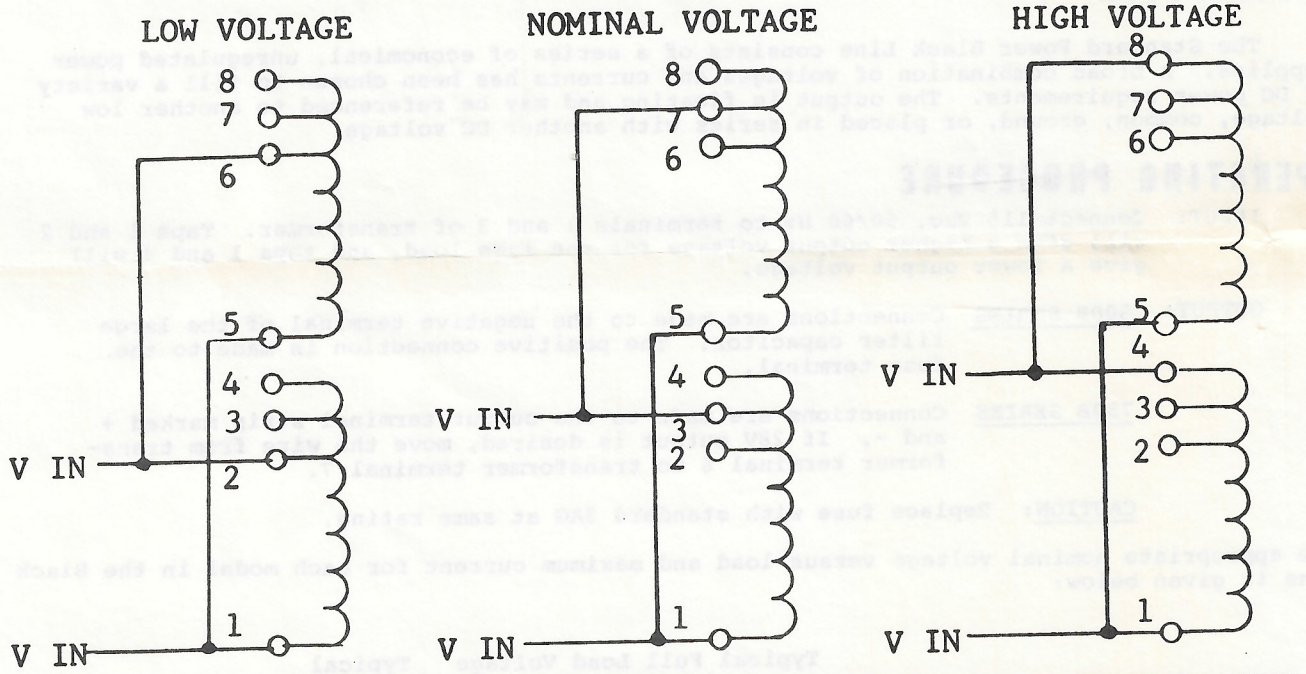
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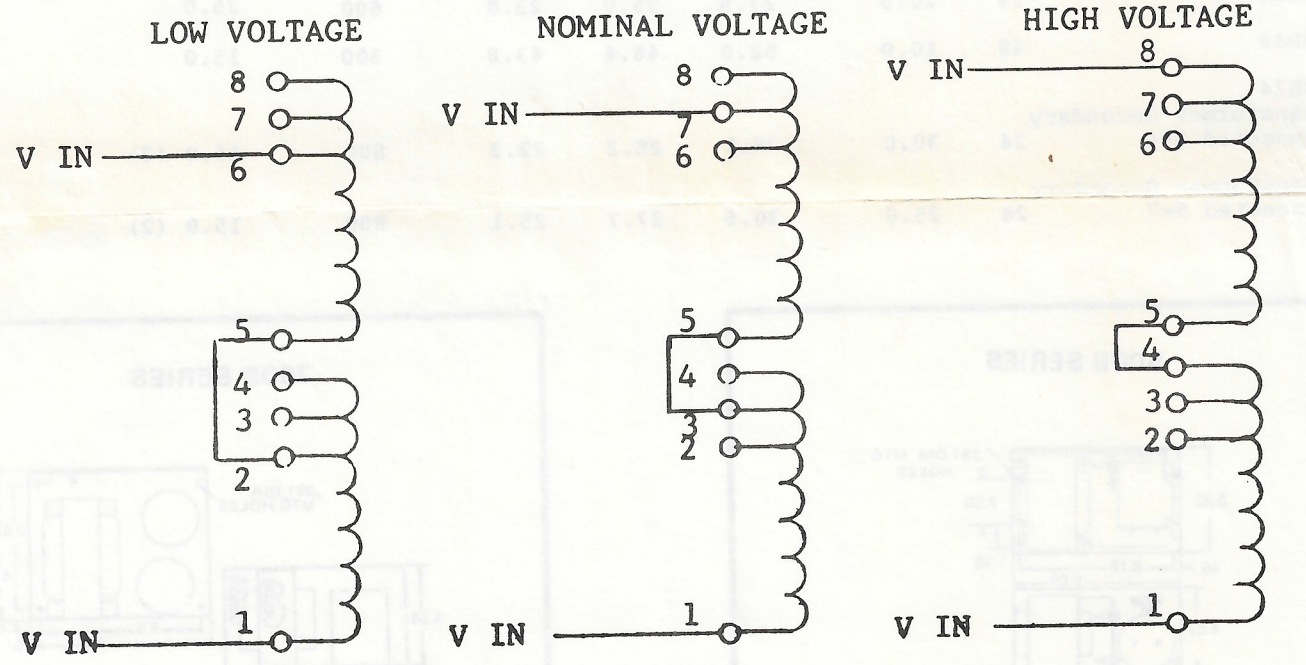
**Acme Electric Corporation**

## TRANSFORMER CONNECTIONS FOR RECONNECTABLE MODEL H UNREGULATED UNITS

### 115V CONNECTION




### 230V CONNECTION




STANDARD POWER, INCORPORATED ■ 1400 South Village Way ■ Santa Ana, Calif. 92705 ■ phone (714) 558-8512

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