



INSTALLATION INSTRUCTIONS

HN Power Supply Series - Single Output Linears

AC INPUT: 100/120/220/230/240 VAC, 47-63 Hz.

Derate output current 10% for 50 Hz operation.



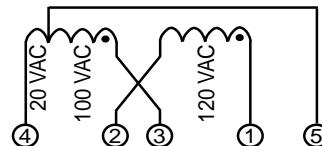
TUV approved to EN60950

UL recognized to UL1950/
UL60950

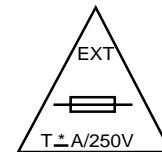


CSA approved to
CSA # 22.2, No. 950

AC INPUT CONNECTION INFORMATION



| CONNECTION TABLE | | |
|------------------|----------|---------|
| INPUT | JUMPER | APPLY ~ |
| 100V | 1-3, 2-4 | 1-5 |
| 120V | 1-3, 2-4 | 1-4 |
| 220V | 2-3 | 1-5 |
| 230V | 2-3 | 1-4 |
| 240V | 2-3 | 1-4 |



* Required fusing is marked on chassis and chart below.

| External Fusing (Required): | | | Output Ratings: | | Airflow Required for Continuous Full Load Operation at 50° C |
|-----------------------------|-----------|-----------|---------------------------|----------------------------|--|
| Model | *A (Amps) | *B (Amps) | Nom. V _o (VDC) | Max. I _o (Amps) | |
| HN5-9/OVP-A | 2.0 | 1.0 | 5 | 9 | N/A |
| HN12-5.1-A | 2.0 | 1.0 | 12 | 5.1 | 80 LFM |
| HN15-4.5-A | 2.0 | 1.0 | 15 | 4.5 | 75 LFM |
| HN24-3.6-A | 2.0 | 1.0 | 24 | 3.6 | 80 LFM |
| HN28-3-A | 2.0 | 1.0 | 28 | 3 | 75 LFM |

- CAUTIONS & NOTES -

CAUTION: These component level power supplies are intended exclusively for installation within other equipment by an industrial assembly operation or by professional installers. These are Class I power supplies; the chassis must be properly connected to earth ground in end use. The DC Output is isolated from chassis/earth ground, and may be used as either a positive or negative output relative to the application's DC common. Component power supplies are to be installed in end-use equipment according to the requirements of the safety standard used for that equipment. These power supplies are not designed to be operated outside of an enclosure which provides a means of mechanical, electrical, and fire protection.

CAUTION: DO NOT CONNECT PIN 5 OF THE TRANSFORMER TO EARTH GROUND. Leave Pin 5 disconnected unless it is used for a desired input range as described in the connection table above.

CAUTION: Always connect the load to the power supply's load terminals before connecting the sense leads. Always remove the sense leads before disconnecting the power supply load. Units feature open sense lead protection. Connecting sense lead(s) to load without associated load lead connection(s) will force current through the sense connection. This load current will cause failure of the remote sense function.

Overvoltage protection is provided on the HN5-9/OVP-A only. For other models, an optional OVP module (OVP-12) is available. Mounting holes are provided in the chassis for this option.

Outputs are SELV.

Some models may require forced air cooling in restrictive environments (see chart above).

Derate output current 2.5% per degree centigrade for ambient temperatures above 50°C (70°C Max. ambient).

Covers are not available from Power-One.

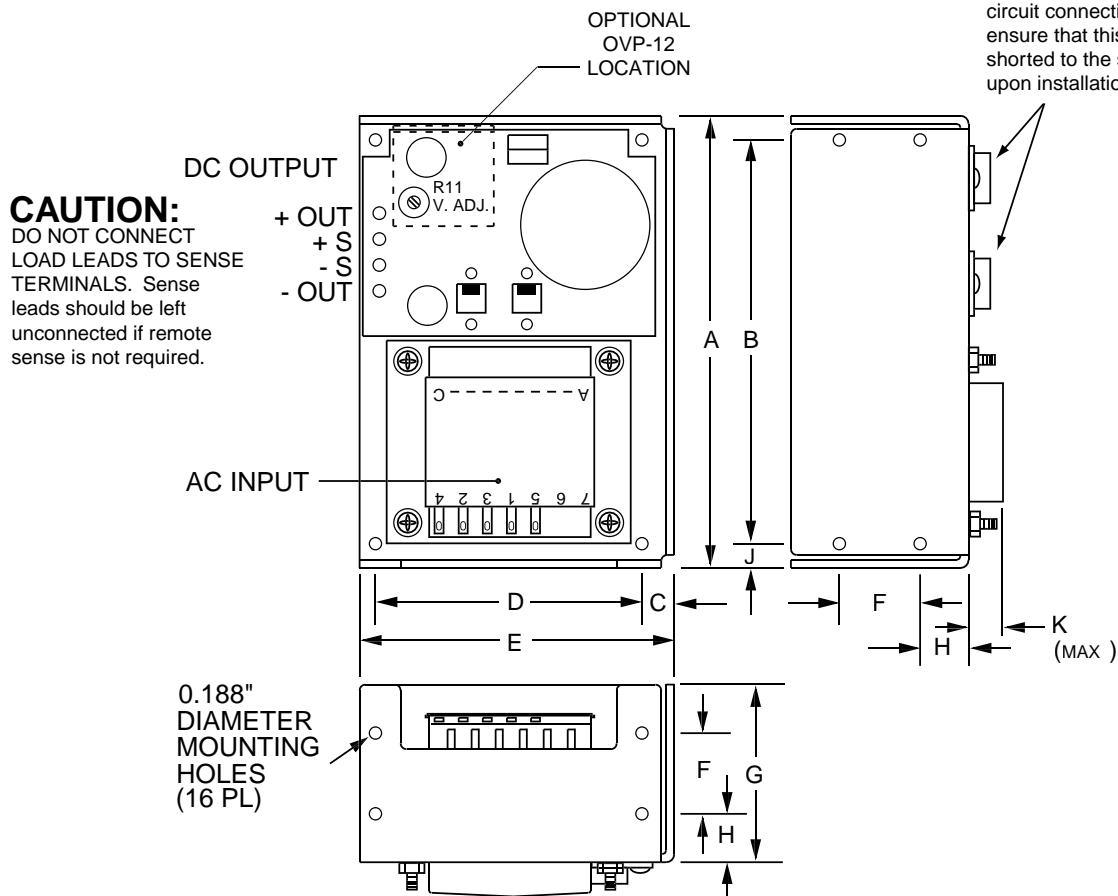
Additional application information is available from the Power-One web site at www.power-one.com.

Power-One • 740 CALLE PLANO • CAMARILLO, CA 93012-9951 • PHONE: (805) 987-8741

P.O. BOX ACKERSTRASSE 56 • CH-8610, USTER, SWITZERLAND • PHONE: (41) 1 944 8383

HN Power Supply Series
- Single Output Linears

NOTE: Unit may be mounted on any axis. Also, Printed Circuit Board layout and location of Voltage Adjust Potentiometer varies by model.


CAUTION:

The metal case of the TO-3 transistor is an unprotected live circuit connection. Take care to ensure that this device is not shorted to the system chassis upon installation.

OVERALL SIZE: 7.00" x 4.87" x 3.28"

WEIGHT: 6 lb

TOLERANCES: .XX = 0.03" (0.8mm)
.XXX = 0.010" (0.3mm)

INPUT CONNECTIONS: Solder terminals on transformer.

OUTPUT CONNECTIONS: Dual gauge solder turrets on PCB.

CHASSIS: 0.125" aluminum alloy, with clear anodized finish.

| Callout | Inches | Millimeters |
|---------|--------|-------------|
| A | 7.00 | 177.8 |
| B | 6.250 | 158.75 |
| C | 0.50 | 12.70 |
| D | 4.125 | 104.78 |
| E | 4.87 | 123.7 |
| F | 1.250 | 31.75 |
| G | 2.75 | 69.9 |
| H | 0.75 | 19.05 |
| J | 0.38 | 9.65 |
| K | 0.53 | 13.5 |

Additional application information is available from the Power-One web site at www.power-one.com.

Power-One • 740 CALLE PLANO • CAMARILLO, CA 93012-9951 • PHONE: (805) 987-8741

P.O. BOX ACKERSTRASSE 56 • CH-8610, USTER, SWITZERLAND • PHONE: (41) 1 944 8383