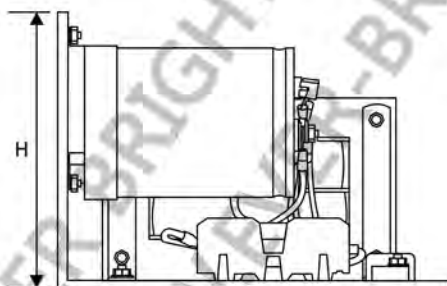
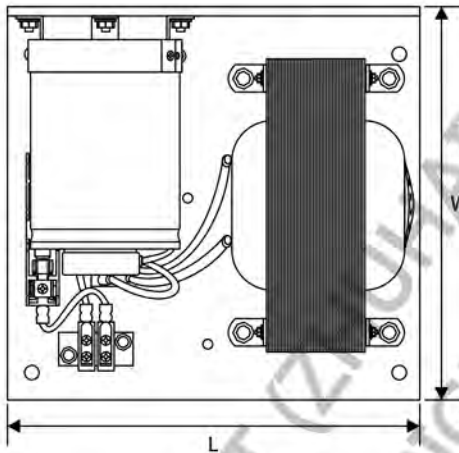




LINEAR POWER SUPPLIES(LPS-01 SERIES)

Features:

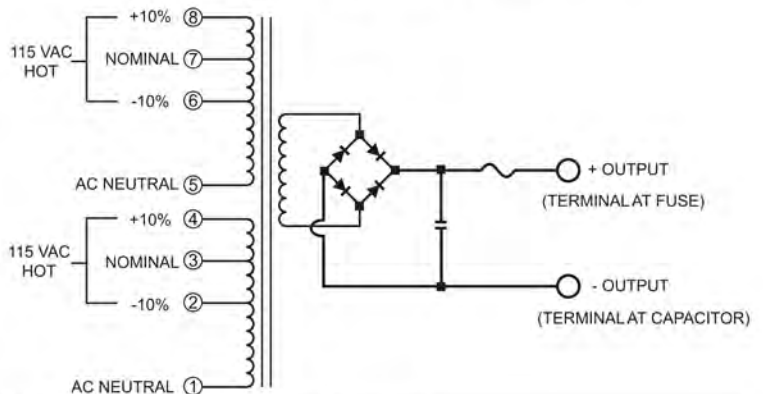
- The linear power supplies (unregulated open frame type) are designed and built to meet the US and international safety standards.
- The linear power supplies are the best low cost alternative, where moderate output variations and AC ripple are acceptable. The field selectable input taps allow fine tuning the output voltage to match actual field conditions. The DC output is fused for short circuit protection. For maximum versatility, the output is floating and may be referenced to another low voltage common ground or placed in series with other DC power supplies.
- Field selectable input taps 103/115/126/207/230/253VAC for fine-tuning output to match actual field conditions.
- Improved ripple - 3% maximum.
- Computer grade capacitors.
- Mounting holes' dimensions are adjustable.
- Applications:
DC motors - stepping and servos
Solenoid valves
Relays
Lamps and signal systems
Input to 3-terminal on-board regulators
Some floppy disc drives
- According to:



Tap(VAC)	Nominal(VAC)	High Line(VAC)
115,-10%	103.5	113.9
115,NOM	115.0	126.5
115,+10%	126.5	139.2
230,-10%	207.0	227.7
230,NOM	230.0	253.0
230,+10%	253.0	278.3

•Schematic:

Schematic shows transformer taps provided for approx. +/-10% output voltage adjustment. Typical full load output voltage at 115VAC input using taps 1 and 3. For 10% higher output voltage use taps 1 and 2. For 10% lower output voltage use taps 1 and 4.



INPUT CONNECTIONS						
INPUT VAC	103.5	115	126.5	207	230	253
JUMPER	1-5 2-6	1-5 3-7	1-5 4-8	2-5	3-5	4-5
INPUT APPLY	1-2	1-3	1-4	1-6	1-7	1-8



LINEAR POWER SUPPLIES(LPS-01 SERIES)

Part Number	VA	Typical DC Output	Dimensions(mm)		
			L	W	H
LPS-01-01A	100	12V @ 8.33A	180	110	80
LPS-01-01B	100	24V @ 4.17A	180	110	80
LPS-01-01C	100	36V @ 2.78A	180	110	80
LPS-01-01D	100	48V @ 2.08A	180	110	80
LPS-01-02A	150	12V @ 12.50A	190	110	80
LPS-01-02B	150	24V @ 6.26A	190	110	80
LPS-01-02C	150	36V @ 4.16A	190	110	80
LPS-01-02D	150	48V @ 3.12A	190	110	80
LPS-01-03A	200	12V @ 16.67A	200	110	80
LPS-01-03B	200	24V @ 8.33A	200	110	80
LPS-01-03C	200	36V @ 5.55A	200	110	80
LPS-01-03D	200	48V @ 4.17A	200	110	80
LPS-01-04A	300	12V @ 25.00A	228	140	105
LPS-01-04B	300	24V @ 12.50A	228	140	105
LPS-01-04C	300	36V @ 8.33A	228	140	105
LPS-01-04D	300	48V @ 6.25A	228	140	105
LPS-01-05A	400	12V @ 33.33A	238	140	105
LPS-01-05B	400	24V @ 16.67A	238	140	105
LPS-01-05C	400	36V @ 11.11A	238	140	105
LPS-01-05D	400	48V @ 8.33A	238	140	105
LPS-01-06A	600	12V @ 50.00A	248	140	105
LPS-01-06B	600	24V @ 25.00A	248	140	105
LPS-01-06C	600	36V @ 16.67A	248	140	105
LPS-01-06D	600	48V @ 12.50A	248	140	105
LPS-01-07B	800	24V @ 33.33A	248	170	120
LPS-01-07C	800	36V @ 22.22A	248	170	120
LPS-01-07D	800	48V @ 16.67A	248	170	120
LPS-01-08B	1000	24V @ 41.67A	268	170	120
LPS-01-08C	1000	36V @ 27.78A	268	170	120
LPS-01-08D	1000	48V @ 20.83A	268	170	120
LPS-01-09C	1500	36V @ 41.67A	288	170	120
LPS-01-09D	1500	48V @ 31.25A	288	170	120

Specifications:

AC Input: 115/230VAC, 50/60Hz nominal. Field selectable taps for +/-10%. High line tolerance on voltage is +10%.

DC Output: Floating fixed output at full load ratings (see table). Transformer taps provided for approx. 10% output voltage adjustment.

Ripple: 3% r.m.s. maximum at nominal line and full rated load.

Operating Temperature: 0-50°C (Derate 2% per °C to 70°C).

Overload and Short Circuit Protection: Fused output. It should be noted that the fuse is not necessarily direct in line with the output. In most models the fuse is prior to the output capacitor and in case of a short circuit, the capacitor energy will be discharged into the load even if the fuse has opened.