

Logosol Power Supplies LS-696, LS-872, LS-1060, LS-1148, LS-2324, LS-5120

Doc #711106001 / Rev. 1.3 04/05/2002

Features:

Power supply for Logosol's servo amplifiers, intelligent drives, stand-alone controllers and user devices.

Two independent power sources:

I/O POWER - 24V / 2.5A and

MOTOR POWER:

- 96V / 6A LS-696
- 72V / 8A LS-872
- 60V / 10A LS-1060
- 48V / 11A LS-1148
- 24V / 23A LS-2324
- 120V / 5A LS-5120

115 VAC or 230 VAC 50/60Hz operation with standard IEC power input

3kV primary to secondary isolation

Two terminal screws per power output for easy connection with multiple devices

Emergency stop dependent MOTOR POWER

Emergency stop activated output

All outputs fused

Optional shunt regulator



Description:

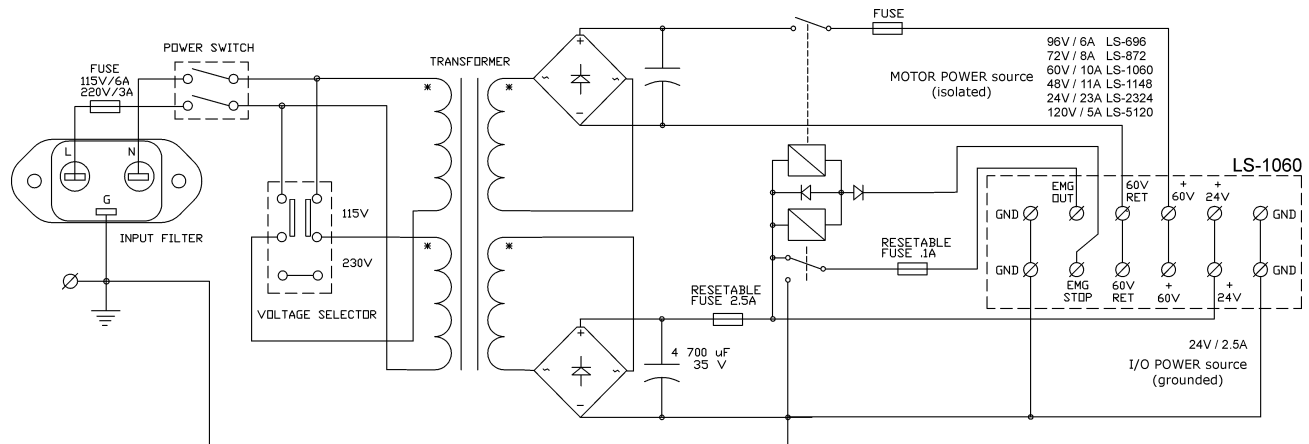
Complete power supply solution for most single and multi axis applications.

They provide two unregulated power sources, specially designed to be used with Logosol motion control components and other related devices.

The power supplies are emergency stop controlled devices, which provides high safety level for all components connected to its MOTOR POWER source.

For high peak stability the MOTOR POWER supply includes large internal capacitance

Functional Diagram:



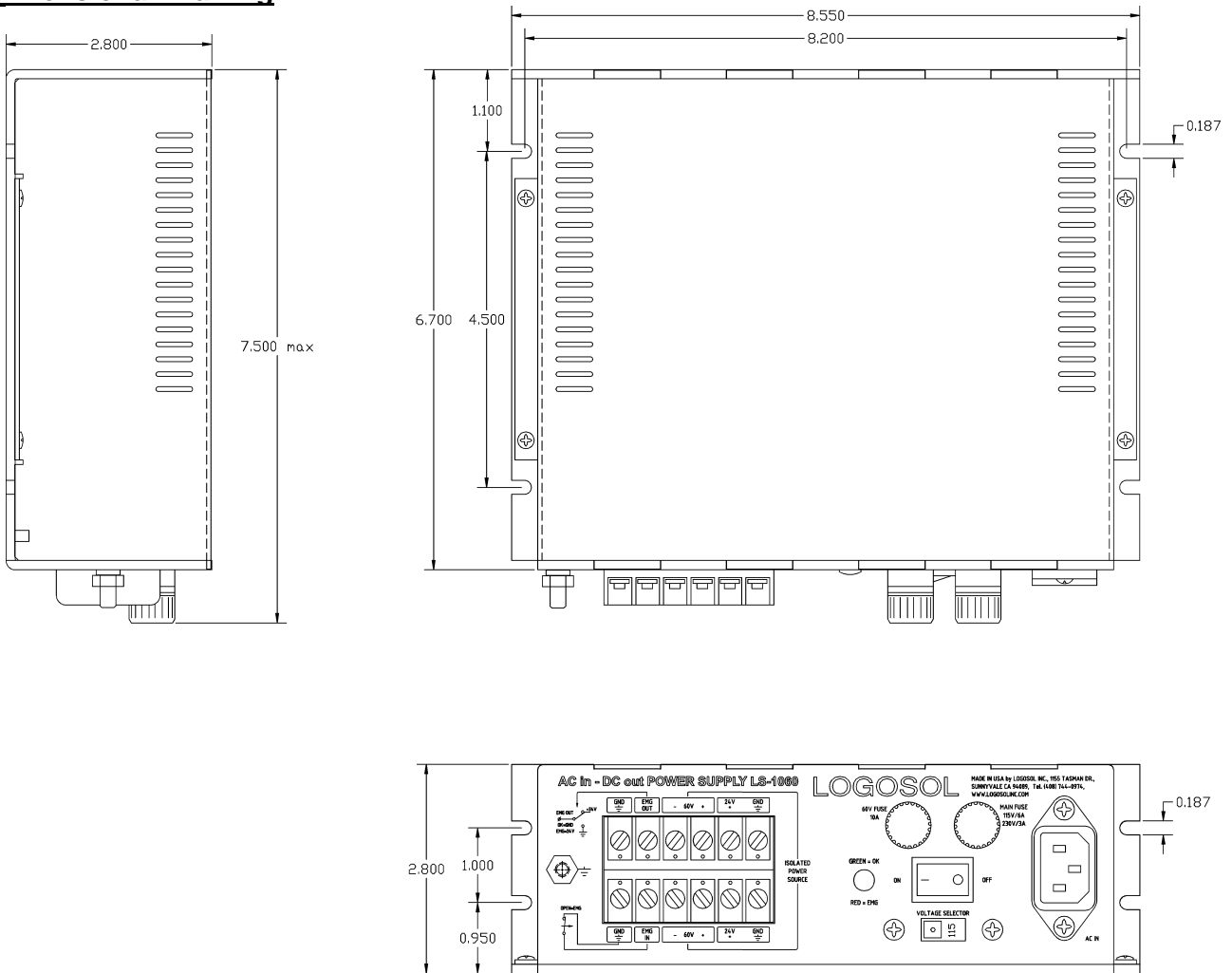
Ordering information:

Without shunt regulator						
TYPE	LS-696	LS-872	LS-1060	LS-1148	LS-2324	LS-5120
PART NO	921696001	921087201	921106001	921148001	921232401	921512001
With shunt regulator						
TYPE	LS-696S	LS-872S	LS-1060S	LS-1148S	LS-2324S	LS-5120S
PART NO	921696002	921087203	921106004	921148002	921232402	921512002

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Dimensional Drawing:



General Specifications:

	LS-696	LS-872	LS-1060	LS-1148	LS-2324	LS-5120
Line voltage	100±120V-60Hz;			200±240V-50Hz		
MOTOR POWER voltage (isolated)	96V -10%, +15%	72V -10%, +15%	60V -10%, +15%	48V -10%, +15%	24V -10%, +15%	120V -10%, +15%
MOTOR POWER output current*	6A 15A peak (5 seconds)	8A 20A peak (5 seconds)	10A 25A peak (5 seconds)	11A 27A peak (5 seconds)	23A 35A peak (5 seconds)	5A 10A peak (5 seconds)
I/O POWER voltage (grounded)	24V, -10% +15%					
I/O POWER Output current	2.5A, 4A peak (3 seconds)					
Maximum rated power*	600VA					
MOTOR POWER isolation	200 VDC					
Ripple Voltage*	6% max					
Ambient temperature	32±150°F / 0±65°C					
Emergency stop input current	40mA ± 6mA					
Emergency output voltage	HIGH = I/O POWER (24V) LOW = GND (0V)					
Emergency output current	150mA max (fused)					
Weight	9 lbs / 4.1 kg					

* Rated at 50% motor duty cycle

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Sample applications:

