

# Logosol Power Supplies LS-460S, LS-548S, LS-1024S, LS-2120S

Doc #711046001 / Rev B 05/27/2003

## Features:

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

Two independent power sources:

I/O POWER - 24V / 1A

MOTOR POWER:

- 60V / 4A LS-460S

- 48V / 5A LS-548S

- 24V / 10A LS-1024S

-120V / 2A LS-2120S

Regenerative shunt regulator.

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

3kV primary to secondary isolation.

Three terminals per power output for easy connection with multiple devices.



## Description:

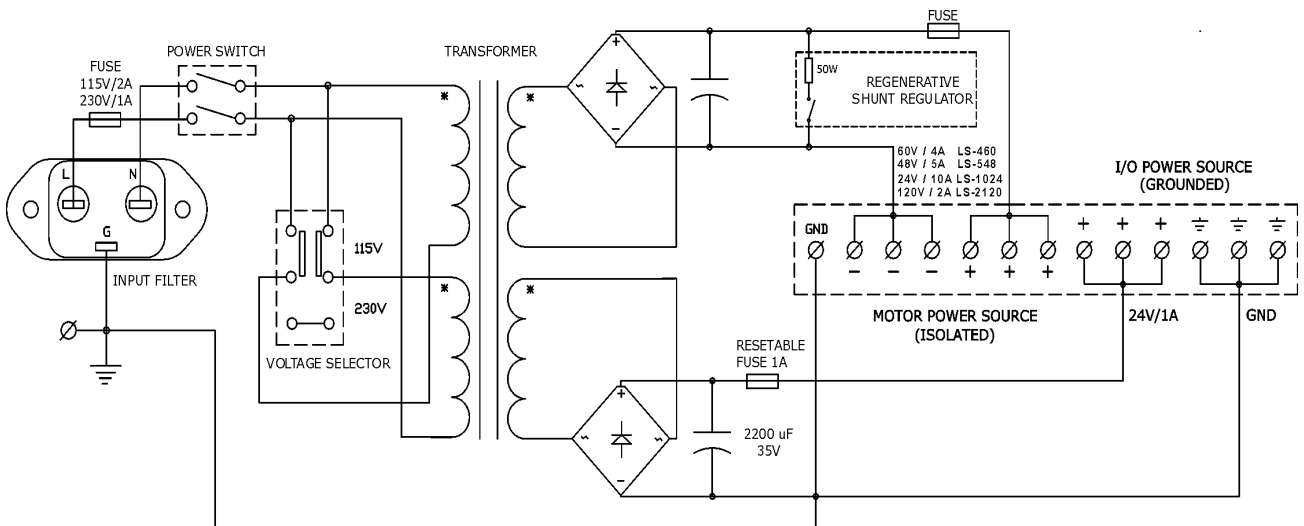
Complete power supply solution for most single and multi axis applications. The power supplies provide two unregulated power sources, specially designed to be used with Logosol motion control components and other related devices.

The built-in shunt regulator has two functions:

- protection against overvoltage, generated by the motor;
- rapid shut down of the MOTOR POWER when the power supply is turned off.

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

## Functional Diagram:



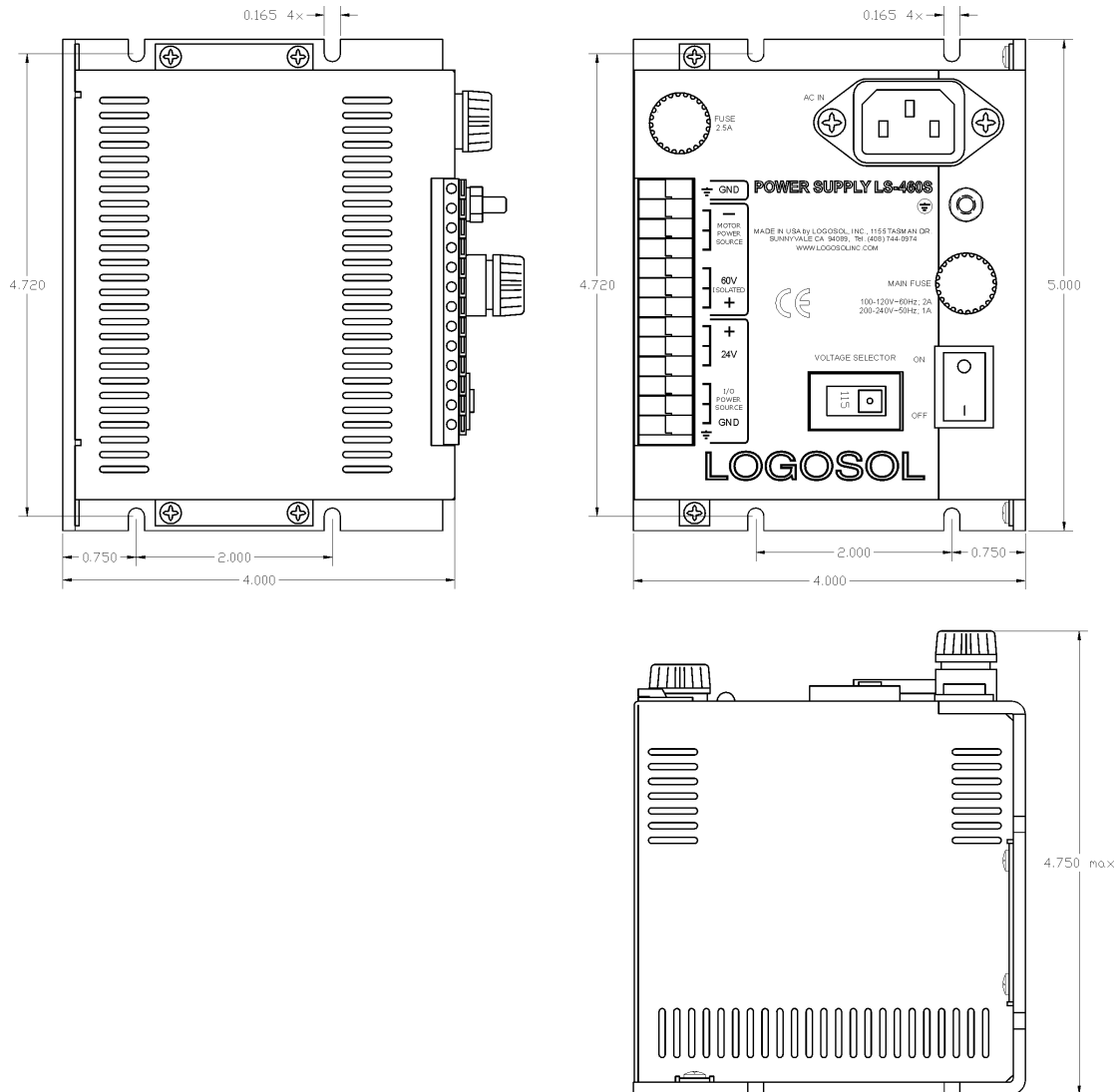
## Ordering information:

TYPE	LS-460S	LS-548S	LS-1024S	LS-2120S
PART NO	921046003	921054802	921102402	921212002

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## Dimensional Drawing:



## General Specifications:

	LS-460S	LS-548S	LS-1024S	LS-2120S
Line voltage	100÷120V~60Hz or 200÷240V~50Hz			
MOTOR POWER voltage* (isolated)	60V -10%, +15%	48V -10%, +15%	24V -10%, +15%	120V -10%, +15%
MOTOR POWER Output current*	4A	5A	10A	2A
I/O POWER voltage (grounded)	24V, -10% +15%			
I/O POWER Output current	1A			
Maximum rated power*	250VA			
Max continues load	175W			
MOTOR POWER isolation	200 VDC			
Ripple Voltage*	6% max			
Ambient temperature	32÷150°F / 0÷65°C			
Weight	6 lbs / 2.73 kg			

\* Rated at 50% motor duty cycle with max 125% / 3sec. overload.

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## Sample applications:

