

- Step 1: Check the input AC connections
 Step 2: Connect the AC input according to table below.
 Note: SLS-12-017T can be set to a +12V to +15V range by adjusting R9 V. ADJ.

Features

- Easy installation with strip terminal
- Adjustable output
- Tight regulation: 0.05% Line; 0.05% Load
- Full Output Ratings to +50°C
- Built in OVP on 5 Volt Outputs
- OVP Option for 12V, 15V and 24V
- Foldback Current Limiting Overload Protection with Automatic Recovery
- Multi-Tap AC Inputs
- 100% Four-Hour Burn-in
- Please see enclosed "Terms & Conditions and Sales & Policies & Procedures"
- UL Recognized
- CSA Certified
- CE Marked
- CB Certified

General Specifications

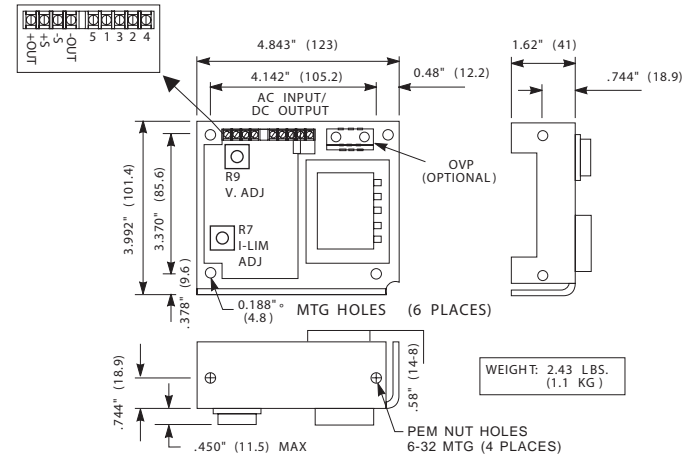
Voltage/Current Ratings	
Model Number	Output
SLS-05-030-1T	5V/3.0A
SLS-12-017T	+12V/1.7A or +15V/1.5A
SLS-24-012T	+24V/1.2A
Operating Temperature Range	0 to +50°C (Derate to 40% at +70°C)
Temperature Coefficient (Typical)	+/- 0.01% / °C
Stability	Within +/- 0.05% (24 hours after warm-up)
Vibration	Per MIL-STD-810C, Method 514
Shock	Per MIL-STD-810C, Method 516
EMI/RFI	Linear power supplies have inherently low conducted and radiated noise levels. For most system applications, these power supplies will meet the requirements of FCC Class "B" and VDE 0871 for Class "B" equipment without additional noise filtering.
Cooling	Forced air. 20 CFM required for full rating Derate 30% for convection cooling.
Input Specifications	
Multi Input (all units)	100/120/220/230/240 VAC selectable +/- 10% except 230 VAC is +15%, -6%
Frequency Range	47-63 Hz (Typical is 60 Hz. Derate output 10% at 50 Hz)
Transient Response Time	50 µsec at 50% load changes for outputs rated up to 6A 100 µsec at 50% load changes for outputs rated 6A and over
Fuse Requirements	Units are <i>not</i> fused internally. For safe operation, user must provide input line fuse as per values given in table.
Output Specifications	
Line Regulation	0.05% for +/- 10% change
Load Regulation	0.05% for 50% change
Ripple	3.0 mV maximum peak-to-peak
DC Output Adjustment Range	+/- 5% minimum
Overvoltage Protection	All 5 volt outputs include built-in OVP as standard (setting is 6.2V +/- 0.4V). OVP is optionally available on other outputs
Remote Sensing	All units listed have remote sensing capability.
Overload Protection	125 to 150% foldback current limit

Input AC Connections (See Case A)

For use at	Connect	Apply AC to:	Primary Fuse	Primary Fuse
			SLS-05-030-1T	SLS-12-017T SLS-24-012T
100 VAC	1-3, 2-4	1 & 5	0.5A / 125V	1.0A / 125V
120 VAC*	1-3, 2-4	1 & 4	0.5A / 125V	1.0A / 125V
220 VAC	2-3	1 & 5	0.25A / 250V	0.5A / 250V
230 VAC	2-3	1 & 4	0.25A / 250V	0.5A / 250V
240 VAC	2-3	1 & 4	0.25A / 250V	0.5A / 250V

*Note: Unit is shipped for 120V input from factory.

Mechanical Dimensions: Inches (mm)



Case A

Note: The SLS models DC output can be adjusted with R9 V. ADJ.

R7 I. LIM is factory set and should not be adjusted by users.

Application Note: User needs to provide earth ground to power supply with either solder to Tab or using washer and nut assembly.

The SLS power supply is shipped from the factory with metal shorting straps connected between the + OUT and + S terminals and the (-) OUT and (-) S terminals. This strapping configuration allows the output of the SLS to be taken from either pair of terminals. This is the standard configuration.

The **remote sense** feature is enabled by removing the shorting straps and connecting the individual OUT and S terminals to the appropriate points of the load. If an OVP circuit is used it should be connected to the + OUT and (-) OUT terminals. The OVP should **never** be connected to the + S, - S terminals without the use of the shorting straps. In all cases it is critical that the terminal screws be **firmly tightened**.