

RHINO Installation Instructions for PSE 30 Series Power Supply



READ THESE INSTRUCTIONS BEFORE INSTALLING OR OPERATING THIS DEVICE.
CAUTION: FOR USE IN A CONTROLLED ENVIRONMENT. REFER TO THIS MANUAL FOR ENVIRONMENTAL CONDITIONS. KEEP FOR FUTURE REFERENCE.

PSE 30 Series AC/DC Switching Power Supply			
Part No.	Output Power Max.	Output 1	Output 2
PSE05-130	30 Watt	5 VDC / 6000 mA	NA
PSE12-130		12 VDC / 2500 mA	NA
PSE15-130		15 VDC / 2000 mA	NA
PSE24-130		24 VDC / 1250 mA	NA
PSE12-230		+12 VDC / 1300 mA	-12 VDC / 1300 mA
PSE15-230		+15 VDC / 1000 mA	-15 VDC / 1000 mA

Input Voltage Range	85-264 VAC / 47-440 Hz	Terminal for Wiring	Screw type terminal: Wires 1.5mm ² (16 AWG) Max (Use Copper Conductors only, 60/75°C [140/158°F]) Recommending tightening torque: 0.5 to 0.7Nm (4.5 to 6.2 lb-in)
Input Current	0.6A typ. at V _{in} = 115 VAC 0.3A typ. at V _{in} = 230 VAC		
Output Voltage Accuracy	± 2.0%		
Operation Temperature Range	IEC/EN60950-1 -25°C to +71°C (-13°F - +158.9°F) Max For UL508 compliance -25°C - +50°C (-13°F - +122°F) Max	Case Material	Plastic resin + Fiberglass UL 94V-0 flammability rating
Output Power Derating	Above +50°C → 3.75%/°C (Only for IEC/EN60950-1. Derating not allowed for UL508)		

Safety Instructions:

- Before installation read these instructions carefully and completely. These installation instructions cannot cover every possible example of installation, operation or maintenance. Further information is obtainable from the product data sheet which can be downloaded from the internet at www.AutomationDirect.com
- The power supplies are constructed in accordance with the safety requirements of IEC/EN60950-1 and UL60950-1 and UL 508. They fulfill the requirements of the Low Voltage Directive (LVD) and carry the CE mark. They are UL and cUL approved in accordance to UL60950-1 and UL 508.
- Before installation, maintenance or modification work, ensure that the main switch is switched off and prevented from being switched on again. Touching any live components or mishandling of this power supply can result in serious injury, death or substantial property damage. The successful and safe operation is dependent of proper storage, handling, installation and operation.
- Compliance with the relevant national regulations (in the USA, Europe and other countries) must be ensured. Before operation is started the following conditions must be ensured:
 - Connection to mains supply in compliance with national regulations.
 - If using stranded wires, all strands must be fastened in the terminal blocks.
 - Power supply and mains cables must be sufficiently fused.
 - All output wires must be rated for the power supply output current and must be connected with the correct polarity
 - Sufficient cooling must be ensured

- Keep away from fire and water
- The equipment for installation in a Pollution Degree 2 environment.

- Never work on the power supply if power is supplied! Risk of electric arcs and electrical shock which can cause death, severe personal injury or substantial property damage.
- Warning: Hazardous voltages and components storing a substantial amount of energy are present in this power supply during normal operating conditions. However, these are inaccessible. Improper handling may result in an electric short or serious burns!
- Do not open the power supply housing. There are no user-repairable components inside.
- If you have any questions concerning the installation or operation of this equipment, or if you need additional information, please call AutomationDirect.com Tech Support at 770-844-4200.

Installation Instructions:

- This power supply is designed for professional indoor systems. In operation the power supply must not be accessible. It may be installed and put into service by qualified personnel only.
- The correct mounting position for optimal cooling performance must be observed. Observe power derating. (See data sheet)
- Recycling: The unit contains elements which are suitable for recycling, and components which need special disposal. You are therefore requested to make sure that the power supply will be recycled by the end of its service life.

Caution: Not for outdoor use.

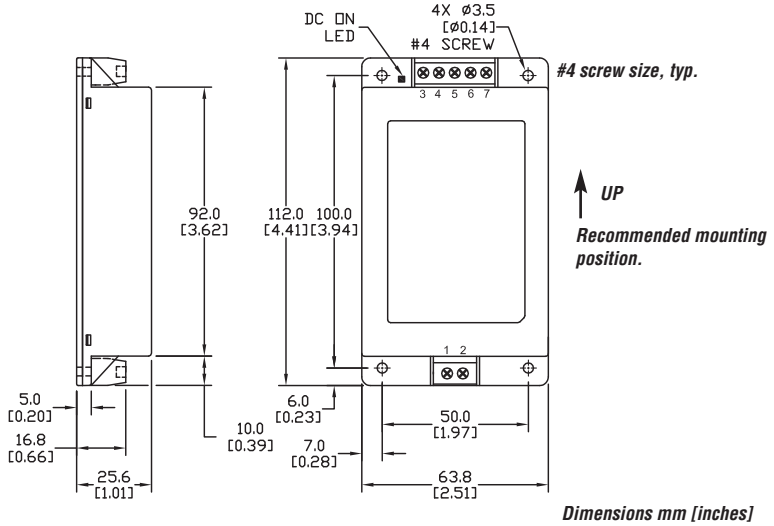
Wiring terminals diagram:



UL60950-1 recognition
File# E198298



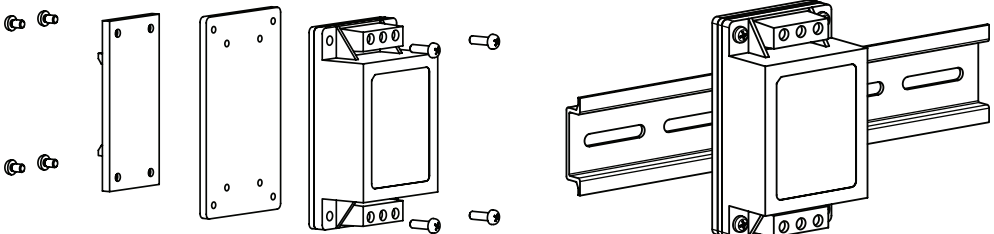
UL508 Listing
File# E197592



Connection		
Pin	Single	Dual (12, 15)
1	AC(N) - AC Neutral	
2	AC(L) - AC Line	
3	+Vout	
4	NC	
5	-Vout	Common
6	NC	
7	NC	-Vout

NC: No Connection

DINrail Mounting Kit PSE-BRKT-2*



* DINRail mounting kit sold separately.

Recommended torque for all mounting screws: 0.6 Nm (5 lb-in)