

INSTALLATION INSTRUCTIONS

TXLN 500 Series Switching Power Supply

Order Code	AC-Input Voltage Range	Output Power max.	DC-Output	Recommended Circuit breaker
TXLN 500-112	85 – 264VAC 47 – 63Hz	500 Watt	12.0V / 41.7A	
TXLN 500-124	120 – 375VDC	500 Watt	24.0V / 21.0A	
TXLN 500-148	Universal Input	500 Watt	48.0V / 10.5A	

Total output power must not exceed specified max output power.

Output is adjustable by potentiometer with a screwdriver.

Input current:	@ Vin=115VAC	@ Vin=230VAC	Power Consumption	@ Vin=115VAC	@ Vin=230VAC
➤ TXLN 500	5.1 A typ.	2.45 A typ.	➤ TXLN 500	587 Watt typ.	563 Watt typ.

Output Voltage Adjustment range:	±10%
Operating temperature range: Natural Air Convection Cooling	-30°C – +70°C max -22°F – +158°F max
Output Power Derating:	above +50°C → 2.5%/K above 122°F → 2.5%/K
Output Power Derating from 85 – 100Vac	below 100Vac → 0.67%/Vac; at Vin min = 85Vac → Iout max = 90%
Storage temperature range: Non operating	-40°C – +85°C max -40°F – +185°F max
Connections:	Screw type terminal COMBICON. Recommended tightening torque 0.5 to 0.7Nm (4.5 to 6.2lb.in.)
Terminal for wiring:	Y or Ring shape recommended (max. diameter = 8.0mm)
Case material:	Aluminium base and galvanized plated steel cover
Mounting inserts:	M4 x 5 on bottom M4 x 4 on each side

Safety Instructions:

- Before installation read these instructions carefully and completely. This installation instruction cannot account for every possible condition of installation, operation or maintenance. Further information can be obtained from your local distributor's office or from the product data sheet, which can be downloaded, from the Internet at www.tracopower.com
- The power supplies are constructed in accordance with the safety requirements of IEC/EN/UL 62368-1. They fulfil the requirements for CE-compatibility and carries the CE mark. They are UL and cUL approved in accordance to UL 62368-1 recognised.
- Before any installation, maintenance or modification work ensure that the main switch is switched off and prevented from being switched on again. Non-observance, touching of any live components or improper handling of this power supply can result in death, severe personal injury or substantial property damage. Proper and safe operation is dependent on proper storage, handling, installation and operation.
- Compliance with the relevant national regulations (in the USA, Europe or other countries) must be ensured. Before operation is started the following conditions must be ensured:
 - ❖ Connection to mains supply in compliance with national regulations (VDE0100, EN50178, ...).
 - ❖ By use of stranded wires, all strands must be fastened in the terminal blocks. (Potential danger of contact with the case)
 - ❖ Power supply and mains cables must be sufficiently fused.
 - ❖ The non-fused protective earth connection must be connected to the earth terminal (Protection Class I).
 - ❖ 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.
- **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 very 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 shock or serious burns!

Do not open the power supply.

- ❖ Do not introduce any objects into the power supply.
- ❖ The output voltage adjustment potentiometer may only be actuated using an insulated screwdriver.
- ❖ Keep away from fire and water

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.
- Do not operate without PE connection! To comply with EMC and safety standards (CE mark, approvals) the power supply must be operated only if PE terminal is connected to the non-fused earth conductor.
- The correct mounting position for optimal cooling performance must be observed. **Do not cover any ventilation holes.** Leave a free space of minimum 50mm (2in.) above and on the sides of the power supply. Observe power derating. (see data sheet)
- The internal fuse is not accessible, as it may not be replaced by the user. If this internal fuse has blown, the power supply has an internal defect and, for safety reasons, must be shipped to the local distributor.
- **Recycling:** The unit contains elements that are suitable for recycling, and components that need special disposal. You are therefore requested to make sure that the power supply will be recycled environment friendly at the end of its service life.

Avertissement: Présence de tensions dangereuses et de composantes stockant une très grande puissance dans ce bloc d'alimentation sous des conditions de fonctionnement normales. Elles sont cependant inaccessibles. Risque de décharge électrique ou de brûlures graves en cas de manipulation inappropriée! Pour obtenir des renseignements relatifs au montage du module d'alimentation CA/CC sélectionné, se reporter à l'étiquette technique et nominale du module d'alimentation CA/CC: S'assurer que les dimensions de l'emplacement destiné à l'assemblage soient conformes à la catégorie ou à la fiche technique.

Ne pas exposer le module d'alimentation CA/CC à un excès de chaleur, d'humidité, de poussière ou de gaz corrosifs.

Les dimensions globales du module d'alimentation CA/CC doivent correspondre aux schémas de ventilation du produit final.

N'ouvrez pas le bloc d'alimentation.

Attention: Pas pour une utilisation en extérieur.