

INSTALLATION INSTRUCTIONS

TXL 100/150 Series Switching Power Supply

Order Code	AC-Input Voltage Range	Output Power max.	* DC-Output 1	DC-Output 2	DC-Output 3	Recommended Circuit breaker
TXL 100-3.3S	88 – 264VAC Universal Input	87.5 Watt	3.3V / 25.0A			10A (Characteristic C)
TXL 100-05S		100 Watt	5.0V / 20.0A			
TXL 100-12S		100 Watt	12.0V / 8.5A			
TXL 100-15S		100 Watt	15.0V / 6.8A			
TXL 100-24S		100 Watt	24.0V / 4.5A			
TXL 100-48S		100 Watt	48.0V / 2.1A			
TXL 100-0512D		100 Watt	+5.0V / 12.0A	+12.0V / 5.0A		
TXL 100-0524D		100 Watt	+5.0V / 10.0A	+24.0V / 3.0A		
TXL 100-0521T		100 Watt	+5.0V / 12.0A	+12.0V / 5.0A	-5.0V / 1.5A	
TXL 100-0522T		100 Watt	+5.0V / 12.0A	+12.0V / 5.0A	-12.0V / 1.5A	
TXL 100-0533T		100 Watt	+5.0V / 12.0A	+15.0V / 3.0A	-15.0V / 1.5A	
TXL 100-0534T		100 Watt	+5.0V / 12.0A	+12.0V / 3.0A	+24.0V / 2.0A	
TXL 150-12S		150 Watt	12.0V / 12.5A			
TXL 150-24S		150 Watt	24.0V / 6.3A			
TXL 150-48S		150 Watt	48.0V / 3.2A			

* Output 1 adjustable by potentiometer with a screwdriver.

Total output power must not exceed specified max output power.

Input current:	@ Vin=115VAC	@ Vin=230VAC	Power Consumption	@ Vin=115VAC	@ Vin=230VAC
➤ TXL 100	1.65A typ.	0.95A typ.	➤ TXL 100	135 Watt typ.	130 Watt typ.
➤ TXL 150	2.10A typ.	1.10A typ.	➤ TXL 150	190 Watt typ.	180 Watt typ.

Output Voltage Adjustment range: (Only single output models)	±10%
Operating temperature range: Natural Air Convection Cooling	0°C – +70°C max 32°F – +158°F max
Output Power Derating:	above +45°C → 2%/K (TXL 100-xx Power Supplies) above +50°C → 2.5%/K (TXL 150-xx Power Supplies) above 113°F → 2%/K (TXL 100-xx Power Supplies) above 122°F → 2.5%/K (TXL 100-xx Power Supplies)
Storage temperature range: Non operating	-10°C – +75°C max -13°F – +167°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 nickel plated steel cover
Mounting inserts:	M3 x P0.5 7 different places; 3 on the side and 4 on the bottom.

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/products/txl.pdf.
- The power supplies are constructed in accordance with the safety requirements of IEC/EN60950 and UL 1950. They fulfill the requirements for CE-compatibility and carries the CE mark. They are UL and cUL approved.
- 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 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 (VDE0100 and 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 FG 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 until at least 5 minutes after it has been disconnected from the mains on all poles.
 - ❖ Only trained personnel may 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 our TXL 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. In case this internal fuse has to be replaced in the field, replace only with same type and rating of fuse for continued protection against risk of fire.
- **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.