INSTALLATION INSTRUCTIONS

TXM 015 Series Switching Power Supply

Order Code	AC-Input Voltage Range	Output Power max.	DC-Output	Recommended Circuit breaker
TXM 015-103	88 – 264VAC 50/60Hz Universal Input	13 Watt	3.3V / 4.0A	5A (Characteristic C)
TXM 015-105		15 Watt	5.0V / 3.0A	
TXM 015-112		16 Watt	12.0V / 1.3A	
TXM 015-115	124 – 370VDC	15 Watt	15.0V / 1.0A	
TXM 015-124		17 Watt	24.0V / 0.7A	

Total output power must not exceed specified max output power.

Output is adjustable by potentiometer with an insulated screwdriver. If the output voltage is higher than nominal, the maximum output current should be reduced accordingly.

Input current:	@ Vin=115VAC	@ Vin=230VAC	**Power Consumption**	@ Vin=115VAC	@ Vin=230VAC
➢ **TXM 015-1xx**	0.32 A typ.	0.2 A typ.	➢ **TXM 015-1xx**	18.5 Watt typ.	18.5 Watt typ.

Output Voltage Adjustment range: Only single output models	±10%
Operating temperature range: Natural Air Convection Cooling	-25°C – +70°C max. -13 °C– +158°F max.
Output Power Derating:	above +50°C ➔ 1.5%/K above 122°F ➔ 1.5%/K
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:	Nickel plated steel base and cover
Mounting inserts:	M3 (see datasheet for position and max. length)

Safety Instructions:

- Before installation read these instructions carefully and completely. This installation instruction cannot claim for every possible example of installation, operation or maintenance. Further information's are obtainable from your local distributor office or from the product data sheet which can be downloaded from the Internet at http://tracopower.com.
- The power supplies are constructed in accordance with the safety requirements of IEC/EN/UL62368-1. They fulfil the requirements of the Low Voltage Directive (LVD) and carries the CE-mark. They are UL and cUL approved in accordance with UL62368-1 (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 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.
  - Degree of protection = I according to IEC536. The non-fused protective earth connection must be connected to the PE 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.
  - 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 fee space of minimum 3mm on the sides and 50mm above 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 your 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.