

## INSTALLATION INSTRUCTIONS

TMPM 04 Series

AC/DC Switching Power Supply

Order Code	Output Power max.	Output 1	Output 2
TMPM 04103	4 Watts	3.3Vdc / 1200mA	
TMPM 04105	4 Watts	5Vdc / 800mA	
TMPM 04109	4 Watts	9Vdc / 444mA	
TMPM 04112	4 Watts	12Vdc / 333mA	
TMPM 04115	4 Watts	15Vdc / 267mA	
TMPM 04124	4 Watts	24Vdc / 167mA	
TMPM 04253	4 Watts	+5Vdc / 600mA	+3.3Vdc / 150mA
TMPM 04225	4 Watts	+12Vdc / 250mA	+5Vdc / 120mA
TMPM 04212	4 Watts	+12Vdc / 166mA	-12Vdc / 166mA
TMPM 04215	4 Watts	+15Vdc / 133mA	-15Vdc / 133mA

Input Voltage Range:	85-264VAC / 47-440Hz	Terminal for Wiring:	PCB mounting with solder pin's or Screw type terminal: Wires 1.5mm <sup>2</sup> max Recommended tightening torque: 0.5 to 0.7Nm (4.5 to 6.2lb.in.)
Input Current:	0.16A typ. at Vin = 115VAC 0.10A typ. at Vin = 230VAC		
Operation Temperature Range:	-25°C +71°C max.	Case Material:	Plastic Resin + Fiberglass UL 94V-0 flammability rating
Output Power Derating:	Above +50°C → 3.75%/°C		

### 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://www.tracopower.com>
- The power supplies are constructed in accordance with the safety requirements of IEC/EN60950-1 and UL60950-1. They fulfil the requirements of the Low Voltage Directive (LVD) and carries the CE-mark. They are UL and cUL approved in accordance to UL60950-1 (recognised).
- Before an installation, maintenance or modification work ensure that the main switch is switched off and prevented from being switched on again. In case of non-observance touching at any alive components or improper dealing with this power supply can result in death, severe personal injury 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 the other countries) must be observed and 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.
  - 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
- **Never work on the power supply if power is supplied!** Risk of electric arcs and electrical shock which can cause death, severe personal injury of 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.***

#### 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.