

INSTALLATION INSTRUCTIONS

TMLM 04xxx & TMLM 05xxx Series

Switching Power Supply

Order Code	Output Power max.	Output	Output
TMLM 04103	4.0 Watt	+3.3Vdc / 1.250A	
TMLM 04105	4.0 Watt	+5.0Vdc / 0.800A	
TMLM 04109	4.0 Watt	+9.0Vdc / 0.444A	
TMLM 04112	4.0 Watt	+12.0Vdc / 0.333A	
TMLM 04115	4.0 Watt	+15.0Vdc / 0.267A	
TMLM 04124	4.0 Watt	+24.0Vdc / 0.167A	
TMLM 04253	3.5 Watt	+5.0Vdc / 0.600A	+3.3Vdc / 0.150A
TMLM 04285	3.6 Watt	+8.0Vdc / 0.375A	+5.0Vdc / 0.120A
TMLM 04225	3.6 Watt	+12.0Vdc / 0.250A	+5.0Vdc / 0.120A

Order Code	Output Power max.	Output
TMLM 05103	4.125 Watt	+3.3Vdc / 1.250A
TMLM 05105	5.0 Watt	+5.0Vdc / 1.000A
TMLM 05112	5.0 Watt	+12.0Vdc / 0.420A
TMLM 05115	5.0 Watt	+15.0Vdc / 0.333A
TMLM 05124	5.5 Watt	+24.0Vdc / 0.230A

Input Voltage Range:	90 – 264Vac / 47 – 440Hz	Terminal for wiring:	PCB mounting with solder pin's
	120 – 370Vdc	Safety according IEC/EN 60536:	Safety Class II prepared
Input current at Vin = 115Vac	TMLM 04xxx = 0.075A typ	TMLM 05xxx = 0.110A typ	
Input current at Vin = 230Vac	TMLM 04xxx = 0.055A typ	TMLM 05xxx = 0.070A typ	
Output voltage accuracy	±2.0%	Case material:	Plastic Resin + Fiberglas UL 94V-0 flammability rating
Operating temperature range:	-25°C – +60°C max.		
Output Power Derating:	above +50°C → 3.75%/°C	External fuse:	1.5A slow blow type

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/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 any 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 on proper storage, handling, installation and operation.
- Compliance with the relevant national regulations (in the USA, Europe and the 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).
 - ❖ Power supply must be sufficiently fused.

- ❖ All output tracks 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 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 work on or around 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 ensure that the power supply will be recycled by the end of its service life.