

# INSTALLATION INFORMATION

**TMPS 05Series**
**AC/DC POWER MODULE**

Order Code	Order Code	Output Power max.	Output
TMPS 05-103	TMPS 05-103C	5 Watts	3.3Vdc / 1515mA
TMPS 05-105	TMPS 05-105C	5 Watts	5Vdc / 1000mA
TMPS 05-109	TMPS 05-109C	5 Watts	9Vdc / 555mA
TMPS 05-112	TMPS 05-112C	5 Watts	12Vdc / 416mA
TMPS 05-115	TMPS 05-115C	5 Watts	15Vdc / 333mA
TMPS 05-124	TMPS 05-124C	5 Watts	24Vdc / 208mA
TMPS 05-148	TMPS 05-148C	5 Watts	48Vdc / 104mA

Input Voltage Range:	85-264VAC / 60-50Hz	Terminal for Wiring:	PCB mounting with solder pin's.
Input Current:	125mA typ. at Vin = 115VAC 81mA typ. at Vin = 230VAC		
Operation Temperature Range:	-25 ~+50 max.	Case Material:	Plastic Resin + Fibreglas UL 94V-0 flammability rating
Output Power Derating:	+50 to +70 → 0.125W/		
Internal Fuse:	T1A 250VAC Min		

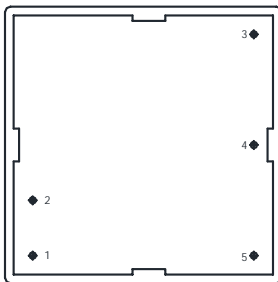
## Safety Instructions:

- 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 cUL/UL/IEC/EN60950-1, UL/IEC/EN62368-1 and IEC/EN60335-1. They fulfil the requirements of the Low Voltage Directive (LVD) and carries the CE-mark. UL and cUL are approved in accordance to UL60950-1, and TUV is approved in accordance to IEC/EN60335-1.
  - 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-observation 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!
  - For the assembly information of chosen AC/DC Power Module, see the AC/DC Power Module specification and rating label for details:
    - Make sure the dimensions of location for assembly complying with category or specification datasheet.
    - Do not expose the AC/DC Power Module to excessive heat, moisture, dust, or corrosive gases.
    - The overall dimensions of AC/DC Power Module shall be assembled according to the ventilation designs of end-use product.
- Do not open the power supply until at least 5 minutes after it has been disconnected from the mains on all poles.***
- Avertissement:** Ce bloc d'alimentation contient une grande tension et des composants puissants pendant l'utilisation normale. Une mauvaise manipulation peut causer un choc électrique ou des brûlures graves !  
Pour assembler ce module d'alimentation CA/CC, veuillez vous référer aux spécifications et la plaque signalétique du module CA/CC :
- La dimension de l'endroit de l'assemblage doit correspondre à la catégorie ou aux spécifications.  
Il ne faut pas exposer ce module d'alimentation CA/CC à la chaleur, à l'humidité, à la poussière ou aux gaz corrosifs.  
La dimension générale du module CA/CC doit respecter le système de ventilation du produit fini.
- Avant d'ouvrir le bloc d'alimentation, attendre au moins 5 minutes après la déconnexion de tous les pôles***

## 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.

## Wiring Terminals Diagram:



### *Pin Connections*

<b>Pin</b>	<b>Function</b>
1	AC(N)
2	AC(L)
3	NC
4	- Vout
5	+Vout