

## INSTALLATION INFORMATION

### TMP 60 Series

### AC/DC POWER MODULE

Order Code	Order Code	Output Power max.	Output1
TMP 60105	TMP 60105C	51 Watts	5.1Vdc / 10.0A
TMP 60112	TMP 60112C	60 Watts	12.0Vdc / 5.0A
TMP 60115	TMP 60115C	60 Watts	15.0Vdc / 4.0A
TMP 60124	TMP 60124C	60 Watts	24.0Vdc / 2.5A
TMP 60136	TMP 60136C	60 Watts	36.0Vdc / 1.666A
TMP 60148	TMP 60148C	60 Watts	48.0Vdc / 1.25A

Input Voltage Rated:	100-240Vac / 50 – 60Hz	Terminal for Wiring:	PCB mounting with solder pin's or Screw type terminal: Wires 1.5mm <sup>2</sup> max. Recommended tightening torque (Used Copper Conductors only, 60/75°C): 0.5 to 0.6Nm (4.4 to 5.3lb.in.)
Input Current:	1520mA max.		
Operation Temperature Range:	-10°C – +70°C max. (with derating above 50°C; for 5.1V model above 40°C, see datasheet for details)	Case Material:	Plastic Resin + Fibreglas UL 94V-0 flammability rating

### 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/EN/UL/cUL62368-1(60950-1), UL508 and CSA C22.2 No107.1-01. They fulfil the requirements of the Low Voltage Directive (LVD) and carries the CE-mark. They are UL and cUL approved in accordance to UL62368-1(60950-1), UL508 and CSA C22.2 No107.1-01(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 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
  - The equipment for installation in a Pollution Degree 2 environment.
- **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.**

- ◆ **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 !

**N'ouvrez pas le bloc d'alimentation.**

#### 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.
- **Maximum surrounding Air temperature 40°C (or equivalent statement)**

**"CAUTION: FOR USE IN A CONTROLLED ENVIRONMENT. REFER TO MANUAL FOR ENVIRONMENTAL CONDITIONS."**

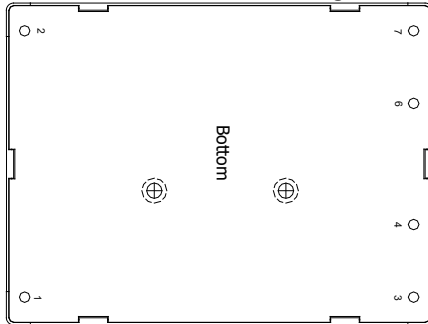
**ATTENTION: A UTILISER DANS UN ENVIRONNEMENT SOUS CONTROLE. VOIR MANUEL POUR LES CONDITIONS ENVIRONNEMENTALES.**

## Wiring terminals diagram:

### ■ PCB Mounting Version



UL508 recognition mark



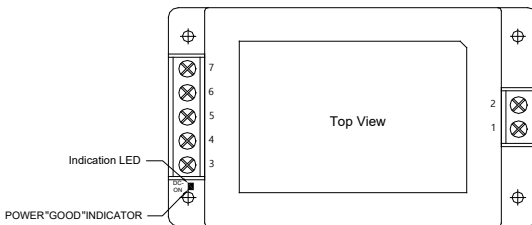
### Pin Connections

Pin	Function
1	AC(N) – AC Neutral
2	AC(L) – AC Line
3	No Pin
4	+Vout
6	-Vout
7	No Pin

### ■ Chassis Mounting Version



UL 508 Listing



### Pin Connections

Pin	Function
1	AC(N) – AC Neutral
2	AC(L) – AC Line
3	NC
4	+Vout
5	NC
6	-Vout
7	NC

NC: No Connection

### ■ DIN-Rail Mounting Kit

