



INSTALLATION MANUAL

1. INTRODUCTION

Enclosed power supplies POS-C series are low profile, constant voltage appliances and possess metal case covering their internal PCB. They should be installed inside the case of final system by mounting holes in their case. They also have DC ok LED signal and internal potentiometer for adjust output voltage. Enclosed power POS-C series are cooling by free air convection (without fan).

2. INSTALLATION

- Before commencing any installation or maintenance work, please disconnect the power supply from the utility. Ensure that it cannot be re-connected inadvertently!
- The power supply must be mounted by appropriate length mounting screws onto metal surface (too long screw may cause damage of internal component of power supply). Please refer to specification to check maximum length of mounting holes in power supply.
- Keep proper ventilation around the unit and do not stack any object on it. Also a 50mm clearance must be kept from adjacent devices and 10-15cm clearance must be kept when the adjacent device is a heat source.
- Mounting orientations other than standard orientation or operate under high ambient temperature may increase the internal component temperature and will require a derating in output current.
- Recommended lead wires which should be use for connection with power supply are shown as below:

Rated current [A]	6	6-10	10-16	16-25	25-32	32-40
AWG	18	16	14	12	10	8
Cross section of lead [mm ²]	0.75	1.0	1.5	2.5	4	6

3. WARNING / CAUTION!

- Caution! Risk of electrical shock and energy hazard. All failure should be examined by a qualified technician. Please do not remove the case of the power supply by yourself!
- Caution! Risk of fire or electrical shock. The ventilation holes should be protected from foreign objects or dripping liquids.
- Please do not install power supplies in places with high ambient temperature or close to source. Please refer to the specifications about the maximum ambient temperature limitations.
- Enclosed power supplier are intended to work in indoor locations, it's not allowed to use power supplies outdoor, in dust locations and places with high moisture.
- Output current and output wattage must not exceed the rated values on the specifications.
- The FG must be well connected to PE if the unit equips with it.
- Power supply is considered as component not indented to apply by end-user. Power supply meets safety and EMC standards however the final equipment with power supply must be re-quality to comply with EMC Directives.