

# PSDC series power supply unit

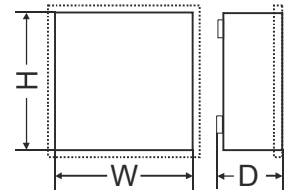
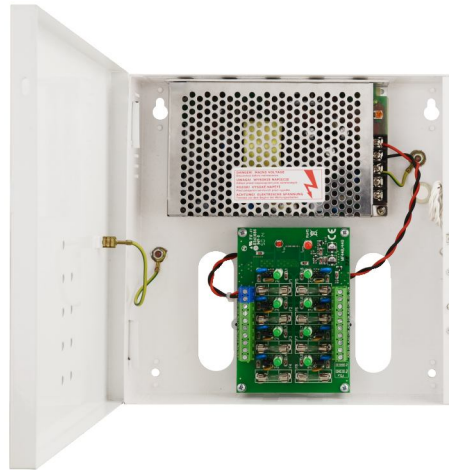
Power supply 12V DC for up to 8 HD cameras



CODE: **PSDC08124** v.1.2/XI

EN\*\*

TYPE: **PSDC 12V/4A/8x0,5A** power supply for up to 8 HD cameras - PTC/TOPIC.



## Features:

- the 8x0,5A/12VDC power output for powering 8 HD cameras
- output voltage adjustment 12V±15VDC
- 8 outputs, protected with 0,5A fuses
- jumper selectable fuses: glass fuse or polymer fuse
- wide range of supply voltage 85÷264VAC
- high efficiency 80%
- LED indication
- FPS technical output of fuse activation indication
- protections:
  - SCP short-circuit protection
  - OVP over voltage protection
  - surge protection
  - OLP overload protection
  - against tampering
- warranty – 3 year from the production date

## DESCRIPTION

The **PSDC08124** stabilized power supply is designed to supply HD cameras or other devices requiring stabilized voltage of **12V DC**. The output voltage adjustment range is adjusted via a potentiometer within the range of **12V±15V DC**. The PSU features 8 outputs protected independently by either glass fuses or polyswitches. A failure (a short circuit) in the output circuit makes a fuse blow or an activation of the polymer fuse and disconnection of the circuit from the DC power supply (+U). The PSU is housed in a metallic enclosure with an indication panel featuring a microswitch indicating unwanted opening of the door (faceplate).

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| SPECIFICATIONS   |   |
|--|---|
| Power supply   | 85 ÷ 264V AC  |
| Current consumption  | 0,6A@230V AC max.   |
| PSU power  | 60W max.  |
| Efficiency   | 80%   |
| Output voltage   | 12V DC  |
| Output current   | <b>8 x 0,5A or 4x F1A (fuses from the set) ΣI= 4A</b>   |
| Output voltage adjustment range  | 12V ÷ 15V DC  |
| Ripple voltage   | 100mV p-p max.  |
| Short-circuit protection SCP   | LB8/AW STRIP<br>8x F 0,5A (fuse) or PTC 0,5A<br>PSU MODULE<br>105% ÷ 150% of PSU power, electronic current limiting |
| Overload protection OLP  | 105% ÷ 150% of PSU power, electronic current limiting   |
| Surge protection   | varistors   |
| Surge over voltage protection OVP  | >16V (automatic recovery)   |
| Tampering protection system<br>- TAMPER – indicating unwanted opening of the PSU's enclosure       | - microswitch, NC contacts (enclosure closed), 0,5A@50V DC (max.)   |
| Technical outputs:<br>- FPS outputs indicating fuse failure (blow), strips LB8/AW (SCP activation) | - OC type, 50mA max,<br>normal status: L level (0V),<br>failure: hi-Z level   |
| LED indication   | LEDs  |
| Operating conditions   | 2nd environmental class, temperature: -10 °C÷50 °C, relative humidity 20%...90%, without condensation               |
| Enclosure  | Steel plate DC01 0,7mm thick, colour: RAL9003   |
| Dimensions   | 230 x 230 x 50+8 (WxHxD) [mm] (+/- 2)   |
| Net/gross weight   | 1,6/1,7 kg  |
| Closing  | Cheese-head screw: at the front   |
| Declarations, warranty   | CE, 3 year from the production date   |
| Notes  | The enclosure does not adjoin the assembly surface so that cables can be led.<br>Convictional cooling.              |