

# PSR series power supply

Switch mode power supply 12VDC, desktop



CODE: PSR12012

EN/IV

TYPE: PSR 12V+15V/1,2A switch mode power supply desktop for CCTV

## Features of the power supply unit:

- power output 1,2A/12VDC\*
- universal AC input voltage range 90÷264V
- high efficiency 80%
- LED optical signalisation
- standby power <0,3W
- efficiency level: V
- protections:
  - SCP short-circuit protection
  - overvoltage protection (AC input)
  - overload (OLP)
- warranty – 2 year from the production date



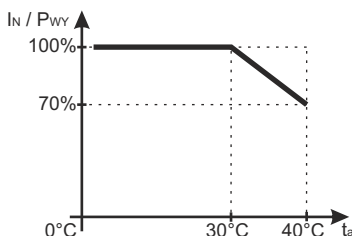
## DESCRIPTION

Stabilized DC power supply is intended for supply CCTV cameras that require stabilised voltage of **12V DC**. The design enables simple changing of the output voltage, within the range of **12V-15V DC**, using a potentiometer. The unit has a cable with a DC5.5/2.1 plug. When connected to fuse blocks of the LB4/xx/xx or LB8/xx/xx family, the power supply unit can feed more cameras (max. 4 or 8). The power supply unit is protected against short-circuit, overload and overvoltage.

## SPECIFICATIONS.

Supply voltage	90 ÷ 264 V AC 50÷60Hz
Current consumption	0,16A@230VAC max.
Supply power	14,4W max.
Efficiency	80%
Output voltage	12V DC
Output current $t_{AMB}<30^{\circ}C$	1,2A - refer to graph 1.
Output current $t_{AMB}=40^{\circ}C$	0,8A - refer to graph 1.
Voltage adjustment range	12 ÷ 15V DC
Ripple voltage	100mV p-p max.
Short-circuit protection SCP	electronic, automatic recovery
Overload protection OLP	150-200% of power supply, automatic recovery
Optical signalisation	LED – presence of DC voltage
Operation conditions	temperature $-10^{\circ}C+40^{\circ}C$ relative humidity 20%...90%, without condensation
Dimensions (LxWxH)	78 x 48 x 35 (41,5) [mm]
Net/gross weight	0,18kg / 0,22kg
Protection class PN-EN 60950-1:2007	II (second)
Length of DC cable	1,45m + plug DC5,5/2,1 female
Length of AC cable	1,15m + mains plug
Storage temperature	$-20^{\circ}C...+60^{\circ}C$

\* In order to extend the life of the power supply, the load current of 0,8A is recommended.



Graph 1.  
Relation between output current and ambient temperature (instantaneous load).

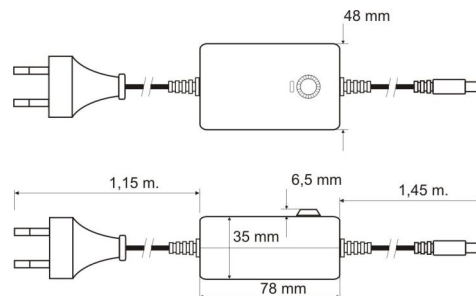
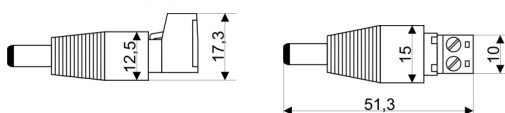


Fig.1 Dimension of power supply.

## ACCESSORIES

ACCESSORIES :  
[1] adapter CABLE - PLUG DC 5,5/2,1 - code ML109



For power supplies are available accessories - cable adapter.  
For details –visit [www.pulsar.pl](http://www.pulsar.pl).

\* Refer to graph 1