
proPSA123
12 V 300 mA AC/DC
Mains Power Adaptor

PROception

INSTRUCTIONS FOR USE

Important

This is an unregulated power adaptor intended for use with specific PROception products only. It should be used only where indicated in the product's installation instructions as being suitable.

This power unit is **not suitable** for powering general-purpose masthead preamplifiers and similar products which require a 12 V regulated supply. Use of this power unit may cause damage to such products. Use of this product for any other purpose or application is not supported by Proception Ltd.

Mains supply connection and safety notes

This power adaptor is a plug-in type suitable for use with 13 A socket-outlets to BS 1363 only. Adequate ventilation space should be allowed around the unit when in use.

In a permanent installation readily accessible provision must be made for disconnection of the unit from the supply when necessary. This can be achieved by ensuring that the unit and its socket-outlet remain accessible, or by the provision of a suitable isolating switch in the fixed wiring.

Do not leave the power adaptor resting on a carpet or install it where it may become smothered with curtains or other soft furnishing fabrics. When installing the power adaptor in a roof space ensure that it will not come into contact with thermal insulation material.

For further details please see the safety instructions overleaf.

Output connection

The external output flexible cord of this power adaptor is not intended to be replaceable. If the cord, or its connector, is damaged the unit should be scrapped.

Output short circuit

Take care not to short-circuit the output of this power adaptor for prolonged periods. The unit will stand accidental short-circuiting of its output for a period of a few seconds only. A longer-term short may cause the mains transformer to overheat and its thermal fuse to operate. This is not repairable.

If the output has been shorted for any length of time it is recommended to disconnect the unit from the mains and allow at least five minutes for cooling before re-applying power.

2-Year Guarantee

This guarantee covers failure of your PROception product resulting from manufacturing defect within a period of 2 years from the date of supply to the end-user.

This guarantee does not cover damage to the product caused by abuse, tampering, defective installation or natural causes such as lightning discharge. Repair or attempted repair, other than by the manufacturer, will render this guarantee void.

This guarantee does not affect a consumer's statutory rights.

Technical data proPSA123

Output voltage	nominal value	+12 V unregulated DC
	range	+10.5 V (220 mA load, mains -10%) to +19 V (no load, mains +10%)
	ripple amplitude	1.5 V p-p at 220 mA load
Output current rating	300 mA maximum	
Output connection	Standard 2.1 mm (i/d) 'DC jack' connector with +ve output to centre contact	
Mains power requirement	230 V 50 Hz at <10 W (plug-in unit suitable for BS 1363 socket outlet)	
Protection index (IP rating)	IP20	
Operating temperature range	-10 .. +40 °C	
Safety standards compliance	BS EN 61558-1:1997+A1:1998, BS EN 61558-2-6:1997	

Safety Instructions

OVERHEATING

This power adaptor is intended for use in moderate climates only. It should not be used in tropical regions. Clearance of at least 50 mm should be allowed around the front and sides of the unit for ventilation. No unit should be fixed where it is likely to become smothered by soft furnishing fabrics such as curtains, or by thermal insulation material in a roof space or building void. Mains powered equipment should not be left resting on a carpet.

WATER AND FIRE RISKS

This power adaptor is not waterproof. It is intended for indoor use only and must not be fixed where it could be exposed to dripping or splashing water. Objects containing liquids should not be placed on or near the power unit.

To prevent risk of fire, no object with a naked flame should be placed on or near the power unit, or its associated wiring.

MAINS CONNECTION AND DISCONNECTION FROM THE SUPPLY

This power unit is suitable for use with 13 A socket-outlets to BS 1363 only. Refer to the section below if the socket-outlets in the location where the unit is to be installed are of a different type.

The socket (or other means of disconnection from the mains supply, if used) should remain readily accessible for operation when necessary. Any power indicator on equipment fed from this power unit should not be regarded as providing reliable indication of supply disconnection.

SOCKET-OUTLET FIXED WIRING

Any fixed wiring installed or altered to supply power to this unit should be designed, installed, inspected and tested to comply with BS 7671 (IEE wiring regulations) and, where relevant, Part P of the building regulations. The power unit is of Class 2 construction and does not require a protective earth connection. This does not obviate the need to provide a circuit protective (earth) conductor in the supply wiring, as required by BS 7671. If in doubt please consult a qualified electrician.

Performance data given are typical unless otherwise stated. Proception Limited reserves the right to change product designs and specifications without prior notice.

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