

Introduction

mdt offers a range of continuously rated power supplies that are built to a high specification. The 12V 1amp is available with the option of either single or multiple LED indication.

Features

- Separate output and battery fuses.
- Onboard tamper terminations.
- Steel construction with removable cover.

Fixing

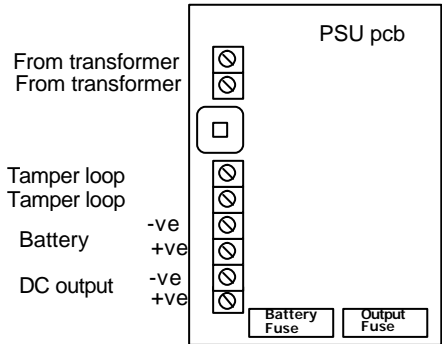
- Offer box to wall mark, drill and plug for three hole fixing using M6 masonry bit.
- Drill wall for cable entry.
- Screw in top fixing (8x 2 1/2" screw) and leave protruding 1/2", mount the box utilising the keyhole, align and secure using 2 off 8x 2 1/2" screws.
- Where required deburr conduit knockouts.

Installation

This equipment should be installed by a suitably qualified electrician and must be wired with cable rated at least 1 Amp, 230 volts AC. Ensure that a suitable disconnect device such as a fused spur or removable fuse is fitted to the mains supply.

TESTING

Apply mains and check mains & output LEDs are working. Connect a suitable 12v (*2x12v) lead acid battery observing correct polarity and verify battery LED remains extinguished. Finally remove battery & output fuses and check corresponding LED is working.



WARNING Isolate from mains before removing cover.
For continued protection against fire & shock hazards , replacement fuses must be of the same type and rating.
This product must be earthed.

Specification

Indicators

- Mains OK Indicates input voltage OK
- Output OK Indicates output voltage OK
- Battery Fault Indicates poor battery or fuse blown
- Output Fault When lit output fuse blown

- Tamper Lid tamper
- Supply voltage 230 V ac 50Hz
- Operating temperature -10C to 40 C
- Construction 18 gauge white powder coated steel
- Dimensions Small box W 230 x H 200 x D 88 mm
- Large box W 300 x H 235 x D 88 mm

Model	Max battery	Output current	Ripple voltage	DC output voltage	Indicators
EM1210	12V 7.Ah	1 A	35 mV	13.8V +/-5%	1
SM1210	12V 7.Ah	1 A	35 mV	13.8V +/-5%	4
LM1210	2x12V 7Ah	1A	35 mV	13.8V +/-5%	4
SM1220	12V 7.Ah	2 A	15 mV	13.8V +/-5%	4

Standards

EMC:

- EN50081-1:1992 EMC Emissions
- EN50130-4:1996 EMC Immunity
- EN6100-4-6:1996 Conducted radio frequency immunity
- EN6100-4-11:1994 Voltage dips and short interruptions

Low Voltage Directive (LDV):

EN60950:1992 Safety of information technology equipment, including electrical business equipment



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