

1 A POWER SUPPLY



K1823

The easy way to power your projects.

Specifications

- Great to power your projects and save money on batteries
- Suitable as an adjustable power supply for experiments
- Control DC motors, low voltage light bulbs, ...
- Short-circuit, thermal and overload protection
- Dimensions: 52x30mm (2.1" x 1.2")

ILLUSTRATED ASSEMBLY MANUAL

H1823IP-1



Features

- ☑ Just add a suitable transformer (see table)
- ☑ Great to power your projects and save money on batteries
- ☑ Suitable as an adjustable power supply for experiments
 ☑ Control DC motors, low voltage light bulbs, ...

Specifications:

- Preset any voltage between 1.5 and 35V
 Very low ripple (80dB rejection)
 Short-circuit, thermal and overload protection
 Max input voltage: 28VAC or 40VDC
 Max dissipation: 15W (with heatsink)
 Dimensions: 52x30mm (2.1" x 1.2")

Choose the right transformer	
Max DC output voltage	Transformer rating
35V	9VAC / 15VA
58V	12VAC / 30VA
813V	15VAC / 30VA
1315V	18VAC / 30VA
1518V	22VAC / 30VA
1822V	24VAC / 50VA
2235V	28VAC / 50VA





1. Assembly (Skipping this can lead to troubles!)

Ok, so we have your attention. These hints will help you to make this project successful. Read them carefully.

1.1 Make sure you have the right tools:

- A good quality soldering iron (25-40W) with a small tip.
- . Wipe it often on a wet sponge or cloth, to keep it clean; then apply solder to the tip, to give it a wet look. This is called 'thinning' and will protect the tip and enables you to make good connections. When solder rolls off the tip, it needs cleaning.
- Thin raisin-core solder. Do not use any flux or grease.
- A diagonal cutter to trim excess wires. To avoid injury when cutting excess leads, hold the lead so they cannot fly towards the eyes.
- Needle nose pliers, for bending leads, or to hold components in place.
- . Small blade and Phillips screwdrivers. A basic range is fine.

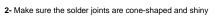


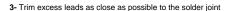
1.2 Assembly Hints:

- \Rightarrow Make sure the skill level matches your experience, to avoid disappointments.
- ⇒ Follow the instructions carefully. Read and understand the entire step before you perform each operation.
- ⇒ Perform the assembly in the correct order as stated in this manual
- ⇒ Position all parts on the PCB (Printed Circuit Board) as shown on the drawings.
- ⇒ Values on the circuit diagram are subject to changes, the values in this assembly guide are correct*
- ⇒ Use the check-boxes to mark your progress.
- ⇒ Please read the included information on safety and customer service
- * Typographical inaccuracies excluded. Always look for possible last minute manual updates, indicated as 'NOTE' on a separate leaflet.

1.3 Soldering Hints:

1- Mount the component against the PCB surface and carefully solder the leads

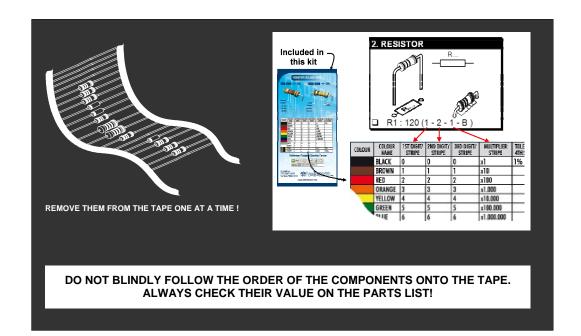




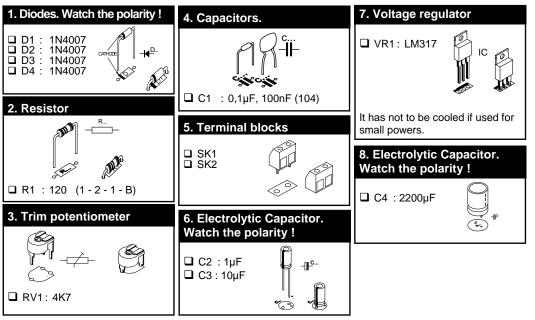




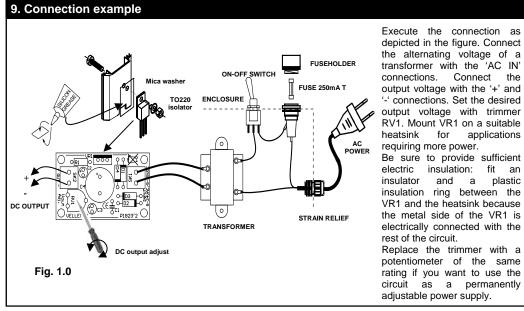




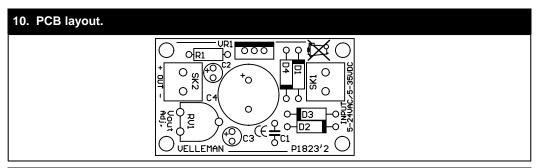
vellemen*

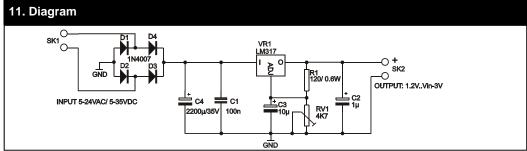
















VELLEMAN NV Legen Heirweg 33, B-9890 GAVERE Belgium (Europe)



Modifications and typographical errors reserved - © Velleman nv. H1823IP'1 (rev.6)

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Velleman manufacturer:

Other Similar products are found below:

MK137 MK106 K2622 K/DIODE1 72-6514 MK108 K8072 K2634 80-7352 K/TF300 MK149 HPS140MK2 VM100 MK123 MK144

MK152 K8086 K/RES-E12 MK190 MK134 K/TRANS1 CD018 K1803 K/RES-E3 MK111 MK103 MK100 OMSB36 K/CAP1 MK109

MK120 MK135 MK150 MK112 VTHH6