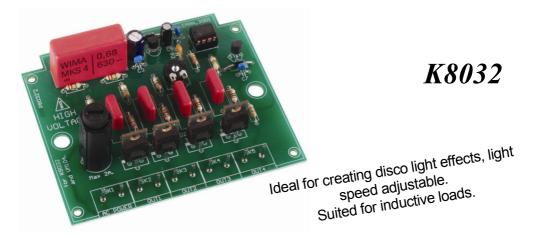


4 CHANNEL RUNNING LIGHT



<u>vellemen</u>®

Features:

- Adjustable speed.
- ☑ Suited for inductive loads.
- ☑ 4 channels with LED indicator.
- ☑ Ideal for disco effects.
- ☑ Noise suppressed according to EN55015.

Specifications:

- AC Power : 110 to 240 VAC.
- Auto frequency detection : 50/60Hz.
- Max load per channel 2A : 200W (110 125VAC) 400W (220 - 240VAC)
- Adjustable speed : 0,2 to 3Hz.
- Dimensions : 100 x 82 x 35mm / 4 x 3,3 x 1,4"

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.

 \checkmark For some projects, a basic multi-meter is required, or might be handy

1.2 Assembly Hints :

4

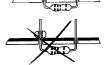
- \Rightarrow Make sure the skill level matches your experience, to avoid disappointments.
- \Rightarrow Follow the instructions carefully. Read and understand the entire step before you perform each operation.
- \Rightarrow Perform the assembly in the correct order as stated in this manual
- \Rightarrow Position all parts on the PCB (Printed Circuit Board) as shown on the drawings.
- \Rightarrow Values on the circuit diagram are subject to changes.
- ⇒ Values in this assembly guide are correct*
- \Rightarrow Use the check-boxes to mark your progress.
- \Rightarrow 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
- 2- Make sure the solder joints are cone-shaped and shiny
- 3- Trim excess leads as close as possible to the solder joint



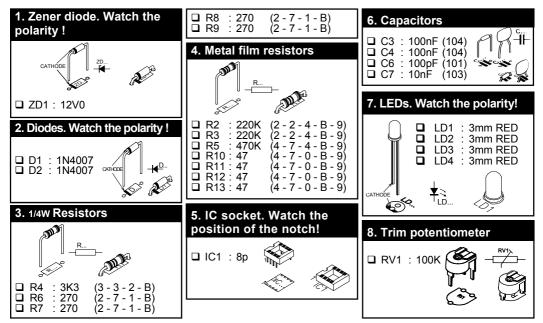


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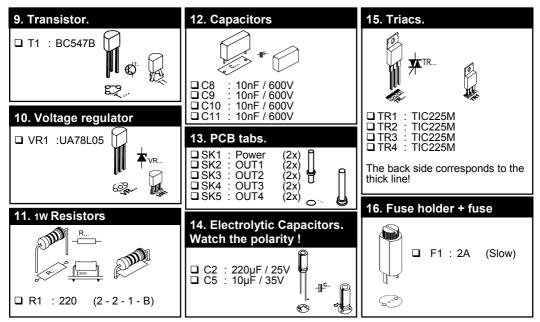


AXIAL COMPONENTS ARE TAPED IN THE CORRECT MOUNTING SEQUENCE !

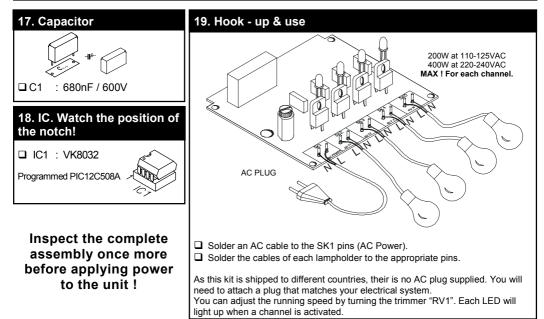
✓ You will find the colour code for the resistances and the LEDs in the HALG (general manual) and on our website: http://www.velleman.be/common/service.aspx Construction



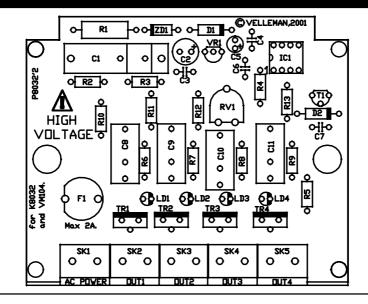
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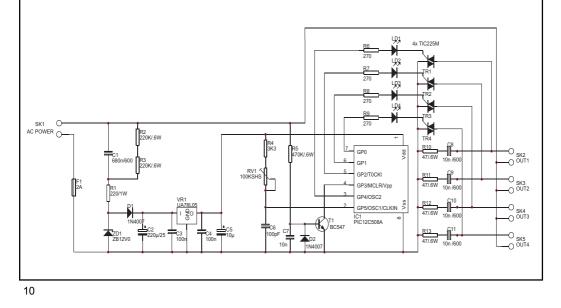


20. PCB





21. Diagram



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