



3,5A SUPPRESSED DIMMER



K8026

Dimmer for incandescent light bulbs and collector motors

velleman*

Features:

- Dimmer for incandescent lightbulbs and collector motors.
- ☑ protected against induction voltage peaks.
- ☑ Suppressed according to EN55015.

Specifications:

- AC power : 110-125 or 220-240VAC 50/60Hz.
- Max. load : 3.5A (750W/220V; 375W/110V).
- Dimensions: 60x60x40 mm (2.4"x2.4"x1.6").

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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.

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

1.2 Assembly Hints :

- ⇒ 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
- \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*
- ⇒ 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.



Assembly hints

1.3 Soldering Hints :

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- 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

REMOVE THEM FROM THE TAPE ONE AT A TIME !

AXIAL COMPONENTS ARE TAPED IN THE CORRECT MOUNTING SEQUENCE !



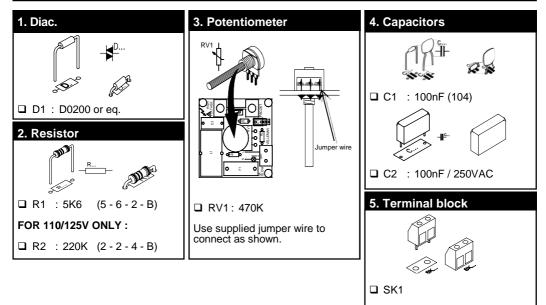


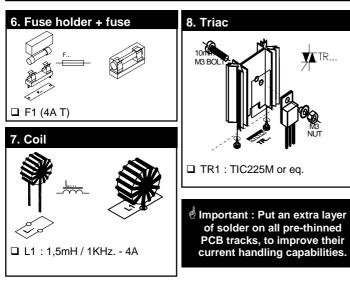




Construction

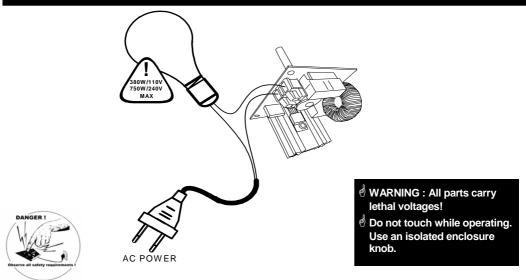
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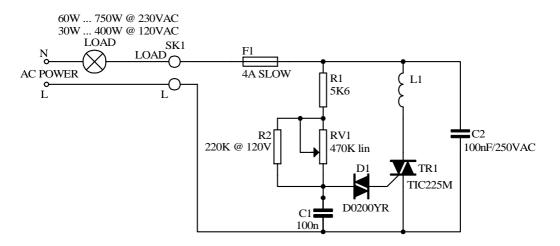




9. Hook-up example

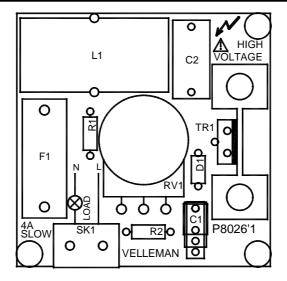


10. Schematic diagram.





11. PCB



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