

velleman K8007 Dimmer Module User Manual

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velleman K8007 Dimmer Module



Features

- Easy pushbutton up/down control of light sources
- A brief push toggles on/off, while continued pushing engages dimming action
- Memory function maintains preferred level
- · Soft start function
- Suitable for low voltage halogen lighting
- For use with K8006 Base unit for home modular light system

Specifications

• Operating voltages: 110-125 or 220-240VAC 50/60Hz

• Max. load: 2.5A (550W/220V; 275W/110V)

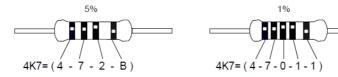
• Transient suppressor to avoid radio/TV interference

• Dimming speed: approx. 3.5s

• Dimensions pcb (wxdxh): 65 x 57 x 25mm

modifications reserved









Assembly

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

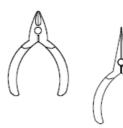
Make sure you have the right tools:



- 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 en-ables 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.

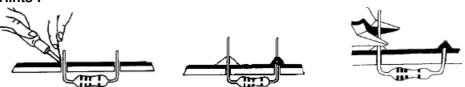
For some projects, a basic multi-meter is required, or might be handy



Assembly Hints:

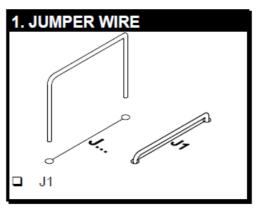
- Make sure the skill level matches your experience, to avoid disappointments. b Follow the instructions carefully.
 Read and understand the entire step before
 you perform each operation.
- Perform the assembly in the correct order as stated in this manual
- Position all parts on the PCB (Printed Circuit Board) as shown on the drawings. p Values on the circuit diagram are subject to changes.
- · 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.

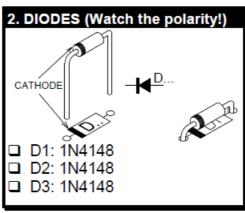
1.3 Soldering Hints:

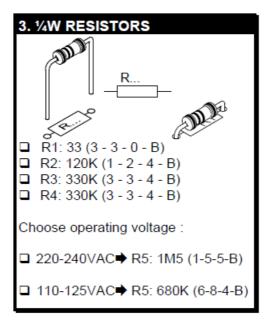


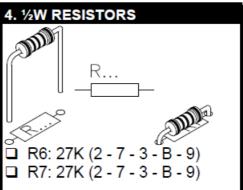
Mount the component Make sure the solder Trim excess leads as against the PCB surface joints are cone-shaped close as possible to the and carefully solder the and shiny solder joint leads

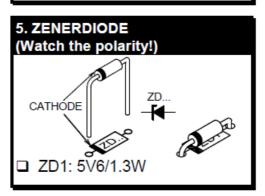
AXIAL COMPONENTS ARE TAPED IN THE CORRECT MOUNTING SEQUENCE

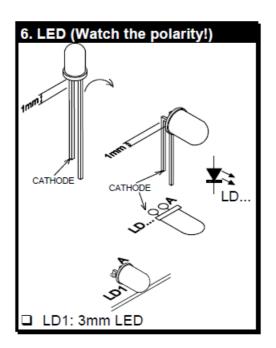


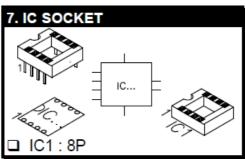


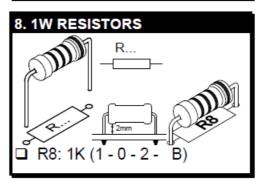


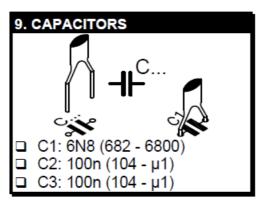


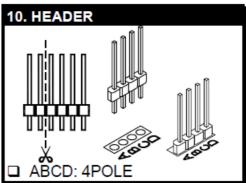


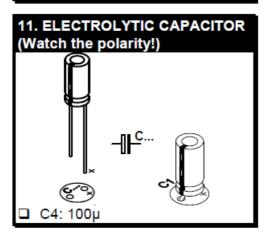


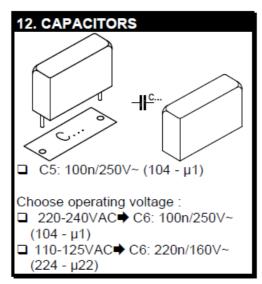


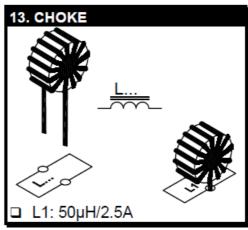


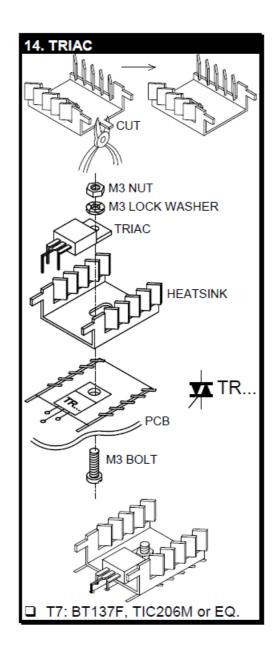


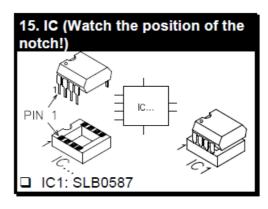


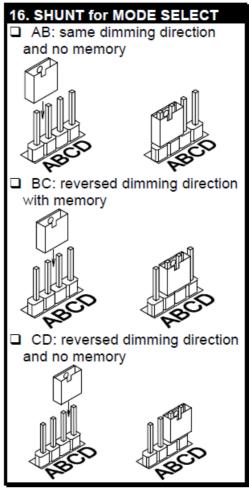








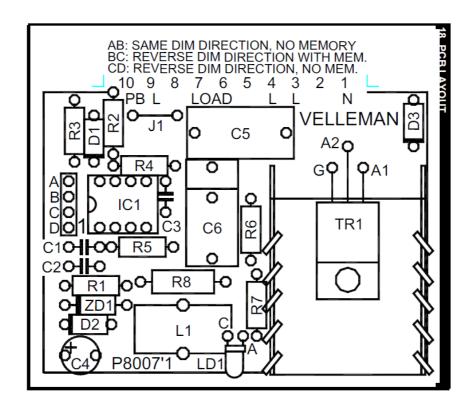




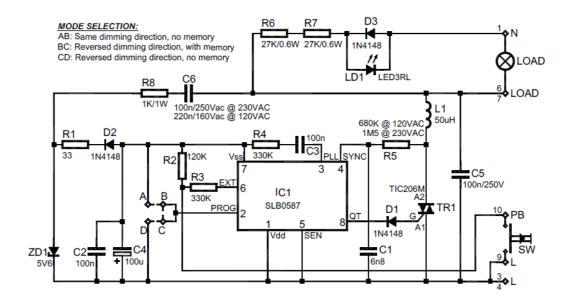
TESTING

For the hook-up diagram and the test procedure, please turn to the illustrated part list of the K8006, Base unit for home modular light system (H8006P), section 12.

PCB LAYOUT



DIAGRAM



Documents / Resources



<u>velleman K8007 Dimmer Module</u> [pdf] User Manual K8007 Dimmer Module, K8007, K8007 Module, Dimmer Module, Module

