

TELEPHONE RINGER WITH BUZZER AND LED



K8087

Simply connect in parallel with phone line. Accepts standard adaptor & telephone plug.



Features:

- ☑ accepts standard telephone plug
- ☑ simply connect in parallel with phone line
- ☑ no power supply necessary!
- ☑ buzzer sounds and powerful led flashes when phone rings
- ☑ great for noisy environments, for the hearing impaired, as additional ringer, to replace existing ringer,...

Specifications:

- 10.000 mcd led!
- · connects to PSTN line
- RJ11 connector
- · consumption: 10mA max.
- dimensions: 80x55x35mm / 3,15 x 2,16 x 1,37"

Includes:

- attractive enclosure
- · adhesive strips for easy fixing

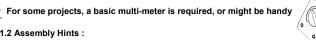


1. Assembly (Skipping this can lead to troubles!)

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.



- 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.
- 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



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!





1. Zener diodes. Watch the polarity!



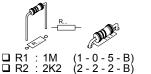
4. Electrolytic Capacitors. Watch the polarity!



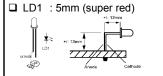
7. Modular Jack



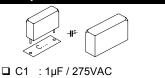
2. Resistors



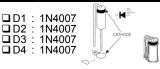
5. LED. Watch the polarity!



8. Capacitor



3. Vertical diodes. Watch the polarity!

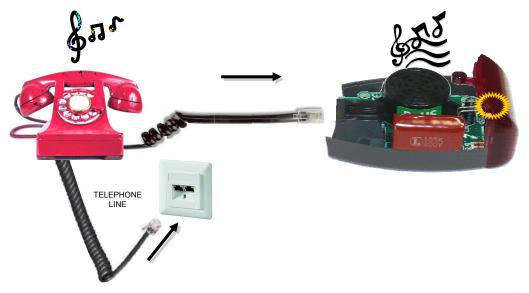


6. Buzzer



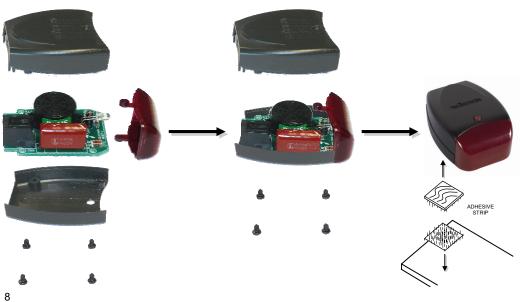


9. Connection



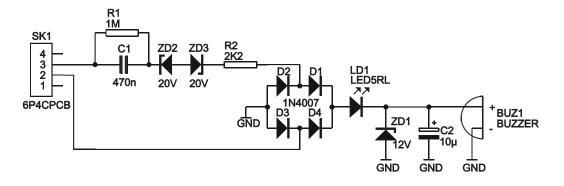


10. Assembly

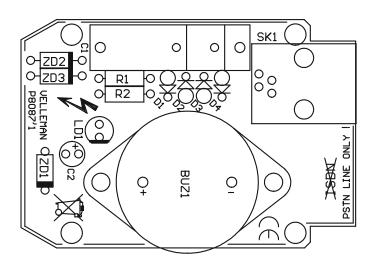




Schematic diagram.



PCB





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