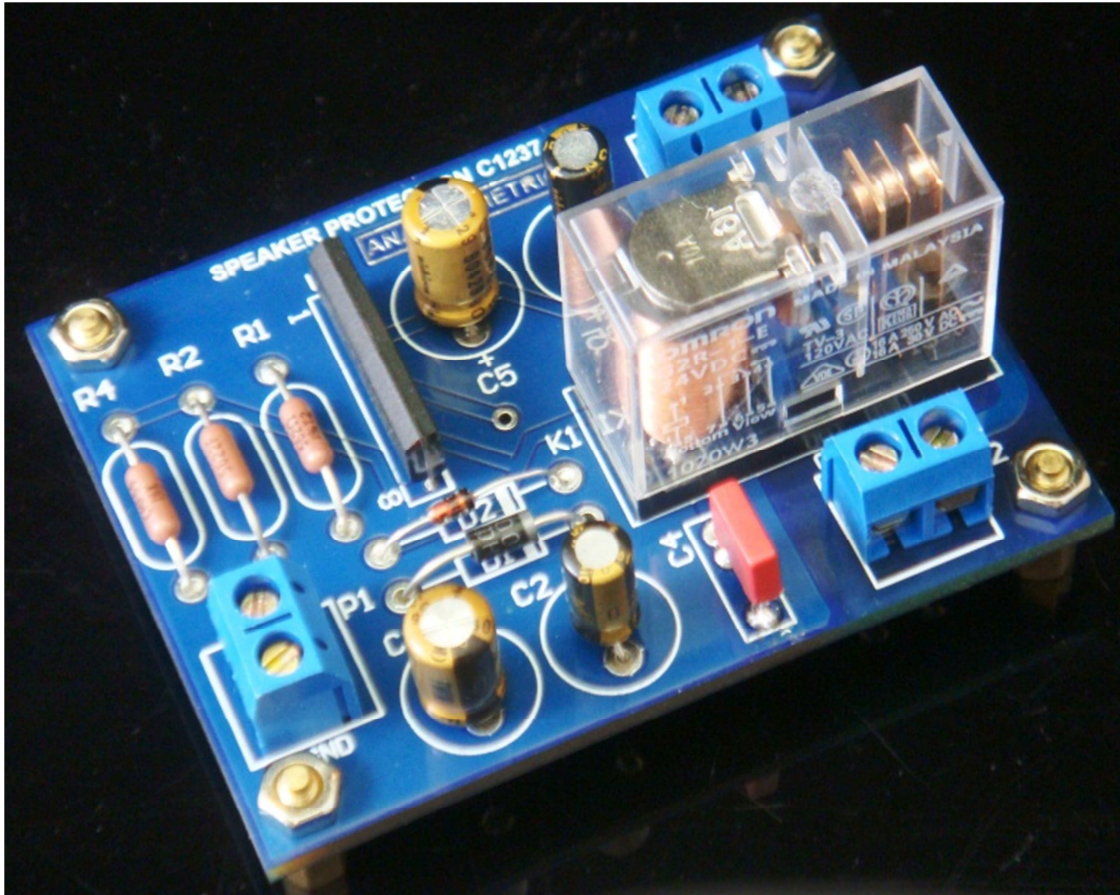


# Speaker Protection C1237 User Manual

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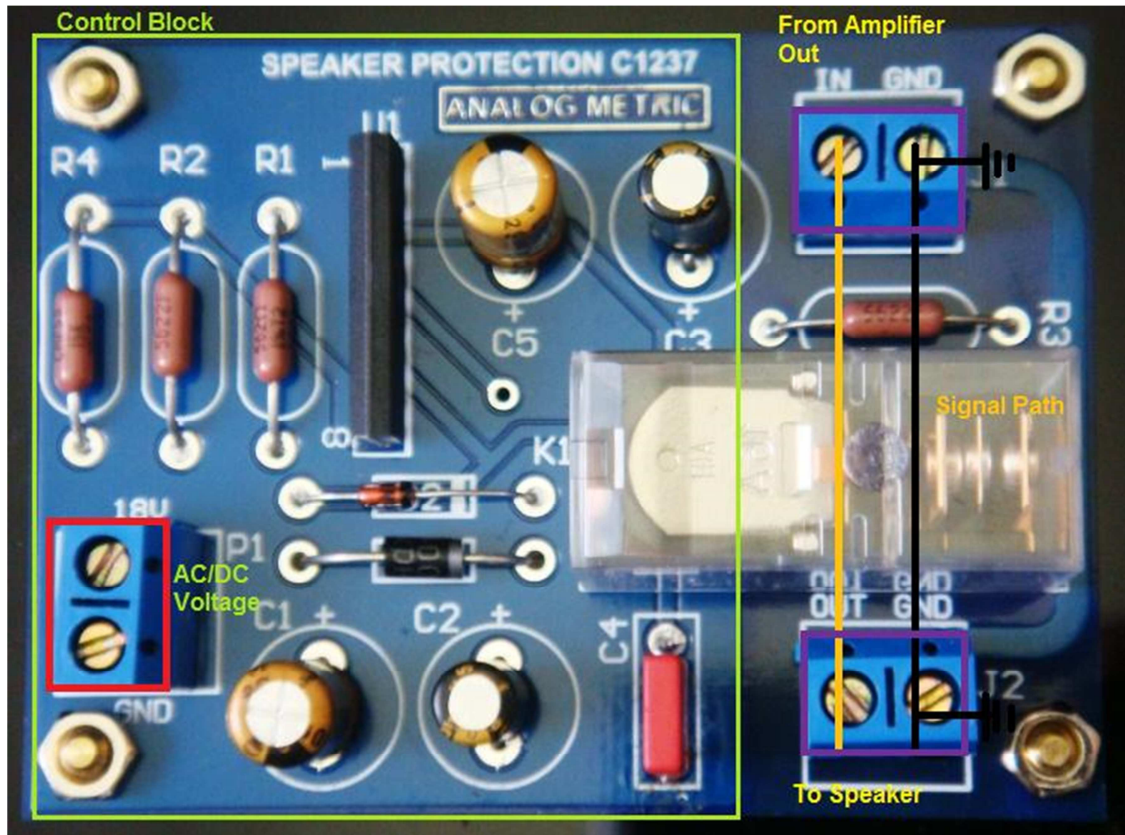


### Features

1. Use speaker protection IC upC1237.
2. Power on delay protection (2-3 seconds).
3. Disconnection when power off to prevent pop noise.
4. Open protection for both positive ( $\sim 0.6V$  DC) and negative ( $-0.2V$  DC) offset voltage at output to speaker.
5. Supply voltage 35-48V AC or 15-24V DC.
6. PCB Dimension: 67mm(L) x 50mm(W)

### ASSEMBLY PROCEDURES

1. Solder the components according to the schematic and BOM. Notice to the direction of the electrolytic capacitors C1, C2, C3, C5 and the diodes D1 and D2.
2. Apply either 35-48V AC or 15-24V DC voltages to P1. Also this voltage is usually come from the main power supply.
3. A click sound will be heard after few seconds (2-3s) when the power supply turn on.
4. J1 is connected to J2.



If you have any problem in assembly, please contact us by email to [tech@analogmetric.com](mailto:tech@analogmetric.com)