

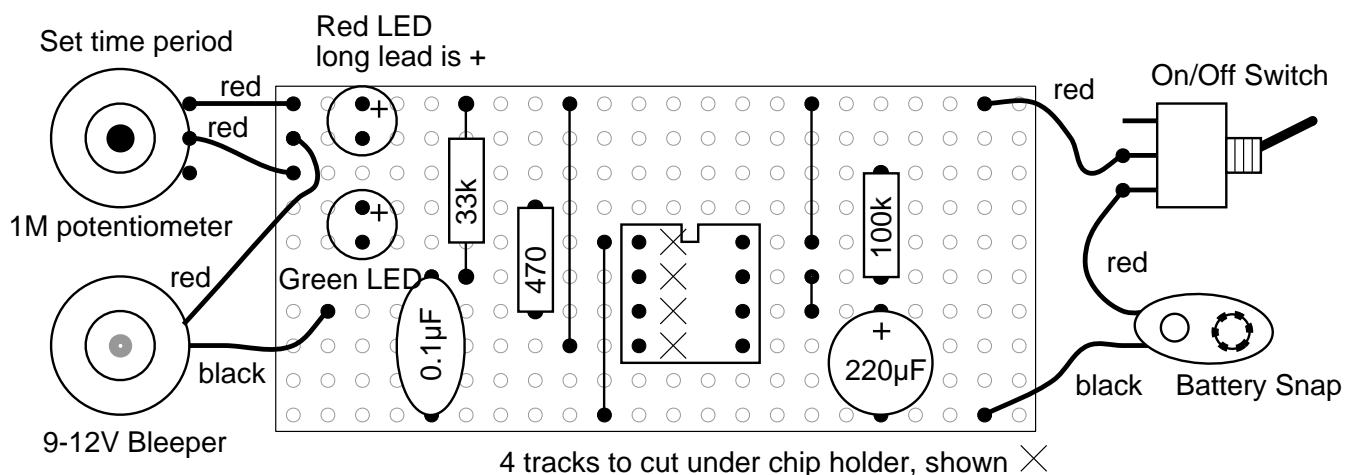
# Adjustable 1-10 Minute Timer Project

The circuit starts timing when switched on. The green LED lights to show that timing is in progress. When the time period is over the green LED turns off, the red LED turns on and the bleeper sounds. The time period is set by adjusting the variable resistor and it can be adjusted from 1 to 10 minutes (approximately).

## Parts Required

- resistors: 470, 33k, 100k
- variable resistor: 1M
- capacitors: 0.1 $\mu$ F, 220 $\mu$ F 16V radial
- LEDs: red, green
- bleeper 9-12V
- 555 timer IC
- 8-pin DIL socket for IC
- on/off switch
- battery clip for 9V PP3
- stripboard 10 rows  $\times$  22 holes

## Stripboard Layout



## Circuit diagram

