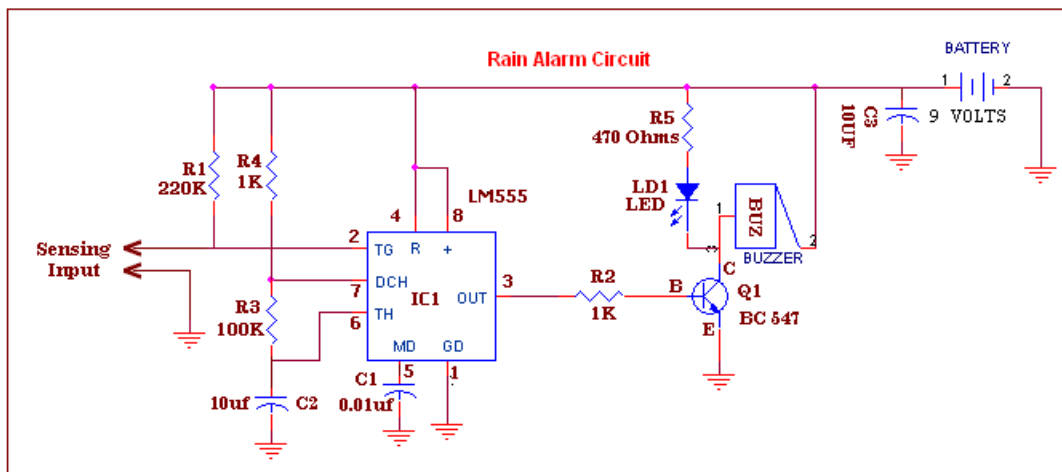


RAIN ALARM:



The rain alarm circuit is triggered by the conductivity of the rain water falling over the electrodes, connected to the Pin no.2 of IC 1 and the negative ground. The output is enabled for 2 seconds, which is decided by R4, R3 & C2. A buzzer is activated using NPN transistor BC 547. The whole setup is a monostable trigger circuit and its switch ON time can be increased by increasing the value of R3 or C2. This circuit is operated with a 9volt battery.

Components: R1=220k resistor, R2=1k resistor, R3=100k resistor, R4=1k resistor, R5=470 E resistor, Q1=BC 547 NPN Transistor, C1=0.01uf capacitor, C2=10uf capacitor, C3=10uf capacitor, IC1=LM 555, LD1= L.E.D, Battery= 9volt, Battery snapper, Buzzer.



Brown Black Red



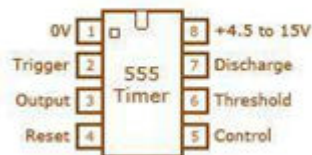
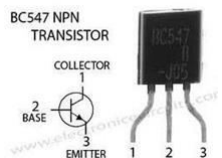
Red Red Yellow



Yellow Violet Brown



Brown Black Yellow



Red L.E.D



Battery snapper

