

Needed:

pcb that will have 2 separate timers. The timers will produce random times, independent from each other from 1.5 min to 4.5 min. Battery power to make it last for at least 100 cycles. Rechargeable okay. The PCB will have 2 led type lights preferably one red and one yellow but colors may not be a deal breaker. There will be 2 buttons to start the process of starting each timer – the buttons should match the color of the corresponding light. The light will flash and a alarm/tone/beeper will go off when time hits zero (alarming for about 5 seconds. There does not need to be a visible countdown). The whole idea is that it is unknown when the time will run out and cause the alarm to go off.

The buttons and leds need to be mounted in a box with screw removable bottom (to change batteries). Buttons to activate random timer and light to be separated from other set (one set on one end of box other on other end of box).

See non-scaled sample of box, buttons and alarm light below:

