

SCR Lamp Flasher



Product Categories: [Electronics](#), [Engineering Equipment](#), [Power Electronics Lab](#), [Power Electronics Lab](#)

Product Page: <https://www.labappara.com/product/scr-lamp-flasher/>

Product Description

SCR Lamp Flasher

Power Electronic Training Board has been designed specifically to study the use of SCR and TRIAC in D.C. and A.C. lamp flasher respectively.

The flasher is useful for students of understand the application of SCRs in D.C. flasher, triggered by UJT relaxation oscillator.

The repetition rate of the flasher can be varied by varying the frequency of the relaxation oscillator.

This Training Board also makes use of the same SCR D.C. flasher for making the TRIAC ON and OFF in the A.C. power circuit which operates a normal 230V incandescent lamp used as load.

Practical experience on this board carries great educative value for Science and Engineering Students.

Features: The board consists of the following built-in parts:

12V D.C. at 100mA, IC Regulated Power Supply

Two SCRs

TRIAC 4 Amp./400PIV

230V/40 Watt lamp for load

UJT 2N 2646 in relaxation oscillator mode

Two LEDs to demonstrate Twin-lamp D.C. flasher

Potentiometer for frequency variation

Two numbers of toggle switches, one for D.C. flasher, and one for A.C. flasher

Adequate no. of other Electronic Components

Mains ON/OFF switch, Fuse and Jewel light

The unit is operative on 230V $\pm 10\%$ at 50Hz A.C. Mains

Adequate no. of patch cords stackable 4 mm spring loaded plug length $\frac{1}{2}$ metre