



Experimental Training Board has been designed specifically for the Study of Photo Transistor and its Application.

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

Object:

01. To Study generation of voltage corresponding to the change of light intensity on photo transistor.
02. To Study an application to drive a relay with OP-AMP used in comparator mode and a Transistor as control switch to operate the relay.

Features:

The board consists of the following built-in parts:

01. $\pm 12V$ D.C. at 150mA, IC regulated power supply internally connected.
 02. + 12V A.C. at 50mA, Supply with light intensity control.
 03. 12V lamp with lamp holder..
 04. Photo Transistor.
 05. 12V D.C. relay 1 green & 1 red LED.
 06. Two transistors SL100 & BC107.
 07. Adequate no. of Electronic Components.
 08. 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 from rear both ends 4mm spring loaded plug, length $\frac{1}{2}$ metre.
 - * Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections & observation of waveforms.
 - * Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.

Other Apparatus Required:

- * Bulb 240V, 60W

Note: Specifications are subject to change.

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