



**OMEGA TYPE DB-21** Dynamic Demonstration Board has been designed specifically for the study of Light Dimmer. This Training Board gives a better understanding of the principle of phase control using Diac & Triac.

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

### OBJECT

To study Light Dimmer for the following:

- 01 TRIAC as bidirectional A.C. switch for A.C. Power Control of a lamp load.
- 02 Potentiometer Controller to control Phase Angle for achieving controlled AC voltage from fixed AC source.

### FEATURES

The board consists of the following built-in parts :

- 01 Triac.
- 02 Diac.
- 03 Lamp holder.

- 04 Adequate no. of other Electronic Components.
- 05 Mains ON/OFF switch, Fuse and Jewel light.
- 06 The unit is operative on 230V  $\pm 10\%$  at 50Hz A.C. Mains.
- 07 Adequate no. of patch cords stackable from rear both ends 4mm spring loaded plug length 50cm.
- 08 Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections/ observation of waveforms.
- 09 Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.
- 10 Weight : 3 Kg. (Approx.)
- 11 Dimension : W 340 x H 125 x D 210

### OTHER APPARATUS REQUIRED:

- 01 Lamp 230V/60W.

We are committed to the continuous development of our products, and therefore reserve the right to amend specifications without prior notice.

## OMEGA ELECTRONICS

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