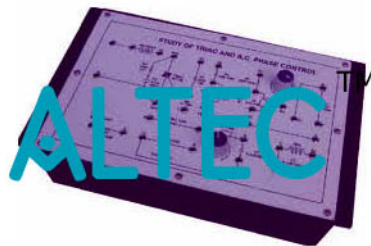


Product Name :
Study of Triac and A.C. Phase Control**Product Code :**
ALABS-A86-005**Description :****Study of Triac and A.C. Phase Control**

We are a readily engaged in offering **Study Of Triac And A.C. Phase Control** to the respectable clients. The offered range is designed ideally to track the characteristics of a TRIAC and its application as A.C. Power control using phase control technique. Available with built-in load facility, this range also conducts radio frequency interference in phase control and methods of their suppression.

Features:

- Study of TRIAC characteristics and its operation in all the four modes i.e. I+, I-, III+ and III-
- Gate control of TRIAC with NPN transistor
- Gate control of TRIAC with PNP transistor
- Phase control with TRIAC and DIAC as pulse generator for gate trigger
- Light dimmer with TRIAC-hysteresis effect and its minimization by gate slaving technique

- Study the radio frequency interference (RFI) in phase control and its suppression by RFI filter

Built in parts:

- TRIAC
- DIAC
- Two potentiometers for biasing and phase control
- RF choke and capacitor for RFI filter
- Lamp holder with 40 watt lamp for load in power control indicator
- Adequate no. of other electronic components
- Mains ON/OFF switch, fuse and jewel light

Specifications:

- 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 $\frac{1}{2}$ meter
- 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
- Weight : 3 Kg. (Approx.)
- Dimension : W 340 x H 110 x D 210

Other apparatus required:

- Digital multimeter 3 $\frac{1}{4}$ digit
- 0-30V, 1 amp IC regulated power supply
- Dual trace cathode ray oscilloscope 20mhz (unearthed)



Equipments Exporters

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