

## Triac Phase Control



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

**Product Page:** <https://www.labappara.com/product/triac-phase-control/>

### Product Description

#### Triac Phase Control

##### 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

Reliable terminal/sockets are provided at appropriate places on panel for connections/observation of waveforms

Weight : 3 Kg. (Approx.)

Dimension : W 340 x H 110 x D 210