

**Product Code . JL-PET-1430**

## Triggering Circuits for SCR



### Description

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#### Triggering Circuits for SCR

- Power Electronic Training Board has been designed specifically for the study of SCR Triggering circuits.
- Practical experience on this board carries great educative value for Science and Engineering Students.

#### Object:

#### To study the SCR Triggering circuits using:

- Resistor (R) Triggering circuit
- Resistor - capacitor (R-C) Triggering circuit
- Uni-junction Transistor (UJT) Triggering circuit (UJT relaxation Oscillator)
- Half-wave controlled rectifier
- Full-wave controlled rectifier

#### Features:

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

- 35VA.C. at 100mA.C. Power Supply
- Bridge rectifier for making D.C. voltage
- Two Silicon controlled rectifier (SCR)
- Uni junction Transistor
- Pulse transformer 1:1
- Two potentiometer for varying load

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- Two potentiometer one for controlling SCR firing angle and other for controlling UJT firing angle
  - 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
  - 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:**

- Dual Trace Cathode Ray Oscilloscope 20MHz (Unearthed)

**Triggering Circuits for SCR Manufacturer India, Triggering Circuits for SCR Exporters, Electronics Triggering Circuits for SCR, Buy Triggering Circuits for SCR Online India, Educational Equipments for School Lab, Laboratory Equipment Suppliers, Didactic, Didactic Triggering Circuits for SCR, Power Electronics Trainers Equipment Exporters, Scientific Instrument and Equipment Manufacturer.**

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