

Product Code . JL-PET-1424

SCR Triggering Circuit



Description

SCR Triggering Circuit

- SCR Triggering using.
- This Training Board gives a better understanding on the operation of Signal Conditioner and Pulse Generator.
- Practical experience on this board carries great educative value for Science and Engineering Students.

Object:-

To perform the following experiments:-

- SCR triggering with controlled gate pulses
- Change of firing angle in response to the change in reference voltage
- Functioning of Signal Conditioner and Pulse Generator.

Features:-

The board consists of the following built in parts:-

- + 15V, +10V D.C. at 50mA, IC Regulated Power Supply internally connected
- + 5V D.C. at 50mA, IC Regulated Power Supply Isolated
- Synchronising Signal
- 24V at 300mA.A.C. supply
- Signal Conditioner and Pulse Generator IC TCA-785
- Op to Coupler
- SCR 100V/1Amp

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- Transistor BC-107
 - 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:-

- 4 Kg. (Approx.)

Dimension:-

- W 412 x H 150 x D 310

Other Apparatus Required:-

- Dual Trace Cathode Ray Oscilloscope 20MHz (Unearthed)
- Bulb 24V/7W

Note:-

- Specifications are subject to change

Other Information:-**Pay Mode Terms:-**

- T/T (Bank Transfer)

Port of Dispatch:-

- India

Delivery Time:-

- 4 weeks

Packaging Details:-

- Corrugated Box

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