



Product Code . JL-PET-1435

Firing Circuit Using OP AMPS And Gates

Description

Firing Circuit Using OP AMPS And Gates

- Power Electronic Training Board has been designed specifically for the study of the firing circuit for single-phase converter using Op-Amps and Gates.
- Practical experience on this board carries great educative value for Science and Engineering Students.

Object:

- To study firing circuit for single-phase converter using Op-Amps and Gates

Features:

The board consists of the following built-in parts:

- 6VAC at 100mA, AC Power Supply
- $\pm 12V$ DC at 100mA fixed regulated Power Supply
- Eight Op-Amp's IC,
- Quad 2 input AND gate IC
- Two NPN Transistors
- Two Pulse Transformers 1:1
- Three Potentiometers
- 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 $\frac{1}{2}$ 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:

- 4 Kg. (Approx.)

Dimension:

- W 412 x H 150 x D 310

Other Apparatus Required:

- Dual Trace Cathode Ray Oscilloscope 20MHz (Unearthed)

OPTIONAL:

- Unit for above experiment to work as a load having
- Isolation Transformer 50 watt.
- Lamp 40 watt
- SCR 400V 4A
- Mains ON/OFF switch, Fuse & Jewel light

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