

Product Code . JL-PET-1415

SCR And AC Phase Control



Description

SCR And A.C. Phase Control

Object:-

Resistance trigger circuit for SCR to be operated as half-wave static switch and limited range half wave phase control.

- R.C. trigger circuit for SCR operated as full range half-wave phase control.
- R.C. trigger circuit for SCR connected in bridge full range full-wave phase control.
- Half -wave phase control with SCR using UJT trigger circuit-resistance controlled ramp.
- Full-wave phase control with Inverse parallel SCRs using UJT trigger circuit resistance controlled ramp.
- Full-wave phase control with half controlled bridge converter using UJT trigger circuit resistance controlled ramp.
- UJT trigger circuit with series transistor control ramp.
- UJT trigger circuit using shunt transistor controlled pedestal.
- UJT trigger circuit resistance controlled pedestal with improved ramp.
- UJT trigger circuit resistance controlled pedestal with cosine-modified ramp.

Features:

- An isolation transformer 230 VA.C. 250 mA.
- This protects external instruments from damage if they are not isolated.
- Bridge rectifier for full-wave phase control with zener regulator.
- Two potentiometers for resistance controlled ramps
- Two potentiometers for resistance controlled pedestals.
- Uni-junction transistor 2N 2646.

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- Pulse transformer 1:1:1.
 - Three SCRs for half-wave and full-wave inverse parallel connections.
 - Adequate no. of other electronic components.
 - Mains ON/OFF switch, fuse and jewel light.

Specifications:

- The unit is operative on 230V $\pm 10\%$ at 50 Hz 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: .

- 7 kg. (approx.)

Dimension:

- W 412 x H 150 x D 310

Other apparatus required:

- Digital multimeter $3\frac{3}{4}$ digit order code 16901
- 0-30 V, 1 amp IC regulated power supply

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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