



Product Code . JL-PET-1422

Thyristor Alarms

Description

Thyristor Alarms

- Study of Make-to-operate alarms
- Study of Break- to-operate alarms
- Demonstration of temper-proof burglar alarm
- Demonstration of alarm with delayed self latching
- Demonstration of alarm operated with water level
- Demonstration of alarm sensitive to light beam using L.D.R
- Demonstration of alarm sensitive to temperature using thermistor

Feature:

The board consists of following built-in parts:

- 12V D.C. Power Supply internally connected
- Internal 12V audio alarm
- Push button switch for push to break demonstration
- Push button switch for push to make demonstration
- One PNP and two NPN transistors for electronic alarm control
- Two PNP transistors connected in differential amplifier mode for light and temperature sensing
- SCR for alarm operation
- Potentiometer for time delay control
- Potentiometer for balance of differential amplifier
- ON/OFF switch for 12V D.C. stand by and reset
- LDR for light sensing and thermistor for temperature sensing
- Fuse protection for 12V D.C. supply

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- 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

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