



**Product Code . JL-PET-1421**

## Thyristor Time Delay Relay

### Description

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#### Thyristor Time Delay Relay

- Study of delayed Turn-ON of D.C. load.
- Study of auto Turn-OFF of D.C. load.
- Study of delayed Turn-ON of TRIAC as line switch.
- Study of auto Turn-OFF of TRIAC as line switch.

#### Features:-

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

- 12V D.C. at 2 Amp, Power Supply internally connected
- UJT 2N 2646 used as timer
- Potentiometer for ramp control to adjust time delay
- Set of 3 Capacitors for time delay control
- Two SCRs connected in parallel coupled mode
- Commutation capacitor.
- Push button switch for starting
- TRIAC for A.C. line switch
- Lamp holder with 15 watt 230V lamp for A.C. load
- Adequate no. of other Electronic Components
- 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.

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**Weight :**

- 3 Kg. (Approx.)

**Dimension:-**

- W 340 x H 110 x D 210
- Other Apparatus Required
- Digital Multimeter 3¾ digit - Order Code 16901
- Digital Stop Clock

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