OMEGA®

A SIGN OF QUALITY PRODUCT

THYRISTOR TIME DELAY RELAY

OMEGA TYPE PET-408

OMEGA TYPE PET-408 Power Electronic Training Board has been designed specifically to study the operation of SCR and TRIAC triggered by electronic time delay circuit. This facilitates to perform the experiment to students both the modes of operation-delayed turn on and auto turn off to control any type of load i.e. A.C. or D.C.

Practical experience on this board carries great educative value for Science and Engineering Students.

OBJECT

01 Study of delayed Turn-ON of DC load.
02 Study of auto Turn-OFF of DC load.
03 Study of delayed Turn-ON of TRIAC as line switch.
04 Study of auto Turn-OFF of TRIAC as line switch.

FEATURES

The board consists of the following built in parts:

01 12V DC at 100mA, Power Supply internally connected.
02 UJT 2N 2646 used as timer.
03 Potentiometer for ramp control to adjust time delay.
04 Set of 3 Capacitors for time delay control.
05 Two SCRs connected in parallel coupled mode.
06 Commutation capacitor.
07 Push button switch for starting.
08 TRIAC for AC line switch.
09 Lamp holder with 15 watt 230V lamp for AC load.
10 Adequate no. of other Electronic Components.
11 The unit is operative on 230V ±10% at 50Hz AC Mains.
12 Adequate no. of patch cords stackable 4 mm spring loaded plug length 50cm.
13 Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections/ observation of waveforms.
14 Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.
15 Weight : 1.900 Kg. (Approx.)
16 Dimension : W 340 x H125 x D 210

OTHER APPARATUS REQUIRED:

01 Digital Multimeter 3¾ digit OMEGA TYPE DMM-201
02 Digital Stop Clock OMEGA TYPE DSC-602

We are committed to the continuous development of our products, and therefore reserve the right to amend specifications without prior notice.

OMEGA ELECTRONICS

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