



OMEGA TYPE ETB-224 Experimental Training Board has been designed specifically to study application of Thermistors Type PTC & NTC).

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

OBJECT

- 01 To perform practical Temperature / Fire alarm (as bulb indicator) with NTC Thermistor.
- 02 To perform practical over Temperature control alarm (as bulb indicator) with NTC Thermistor.
- 03 To perform practical Temperature / Fire alarm (as bulb indicator) with PTC Thermistor.
- 04 To perform practical under Temperature alarm (as bulb indicator) with PTC Thermistor.

FEATURES

The board consists of the following built-in parts :

- 01 ± 12 V DC at 100 mA, IC Regulated Power Supply.
- 02 0.8 V DC at 10 mA, Regulated Power Supply.
- 03 Five Op-Amp ICs.
- 04 Relay of 12 V DC having 2 Change - over
- 05 6 V bulb for indication of relay energise / Alarm indication.

- 06 NTC Thermistors with 5 pins male connector.
- 07 PTC Thermistors with 3 pins female connector.
- 08 Two NPN transistors.
- 09 Two PNP Transistor.
- 10 2 pin socket to connect load (100 W bulb).
- 11 100 watt bulb with holder and 2 pin plug top.
- 12 Adequate no. of other electronic components.
- 13 Mains ON/OFF switch, Fuse and Jewel light.
- 14 The unit is operative on 230VAC $\pm 10\%$ at 50Hz.
- 15 Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections /observation of waveforms.
- 16 Weight : 4.600 Kg. (Approx.)
- 17 Dimension : W 340 x H 125 x D 210

LIST OF ACCESSORIES:

- 01 One no. NTC Thermistor with 5 pin Male connector and lead length 50cm.
- 02 One no. PTC Thermistor with 3 pin female connector and lead length 50cm.
- 03 Patch cords 4mm length 50cm Red.....03.
- 04 Patch cords 4mm length 50cm Black.....05

OTHER APPARATUS REQUIRED:

- 01 Hot Plate

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

OMEGA ELECTRONICS