OMEGA®

A SIGN OF QUALITY PRODUCT

STUDY OF DECADE COUNTERS USING ICs 7490 & 7493

OMEGA TYPE LTB-827

OMEGA TYPE LTB-827 Computer Logic Training Board has been designed specifically for the study of Decade Counters using ICs 7490 & 7493. This Training Board gives students an idea about Decade Counters. The output of counter can be observed in decimal code with the help of decoder and seven segment display which are provided on the panel. The board is absolutely self contained and requires no other apparatus.

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

OBJECT

01 Study of Decade Counter using IC 7490 in 2 X 5 mode.

02 Study of Decade Counter using IC 7490 in 5 X 2 mode.

03 Study of Decade Counter using IC 7493 in direct clearing mode.

FEATURES

The board consists of the following built-in parts :

01 +5V D.C. at 100mA, IC Regulated Power Supply.

02 Decade Counter IC 7490.

03 4 Bit Binary Counter IC 7493, used as decade counter.

04 Two digit Seven segment display with decoder circuit to display the output in decimal.

05 One Pulser to provide clock.

06 4- input AND gate.

07 Two, 1-input NOT gates.

08 Switches for logic selection.

09 Adequate no. of other Electronic Components.

10 Mains ON/OFF switch, Fuse and Jewel light.

11 The unit is operative on 230V ±10% at 50Hz A.C. Mains.

12 Adequate nos. of patch cords stackable from rear both ends 4mm 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 : 1.200 Kg. (Approx.).

16 Dimension : W 340 x H125 x D 210

OMEGA ELECTRONICS

Works:
28E & F, Malviya Industrial Area,
Jaipur-302 017 (INDIA)
Phone: 0141-2751559

E-mail : info@omegaelectronics.net
: omegajaipur62@gmail.com

www.omegaelectronics.net

Marketing Division:
B-28, Fateh Singh Scheme, Opp. Rajputana Palace Sheraton, Jaipur-302006 (INDIA)
Phone : 091-141-2375647, 2379223

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