OMEGA®

A SIGN OF QUALITY PRODUCT

STUDY OF VARIOUS MODULE COUNTERS

OMEGA TYPE LTB-823

OMEGA TYPE LTB-823 Computer Logic Training Board has been designed specifically to study Various Module Counters. This Training Board gives a better understanding of the design, working & practical aspects of counters. Gates and flip-flops can be used to construct any type of counter. Output of each counter circuit can also be observed in decimal code with the help of the seven segment displays. 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

To construct & study the following Modulo Counters :

01 Fixed Module 4 bit Binary Ripple Counter in :
- 1.1 Count-Up mode.
- 1.2 Count-Down mode.
- 1.3 Count-Up/Down mode

02 Four stage Ring Counter.

03 Variable Module Counters.

FEATURES

The board consists of the following built-in parts :

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

02 Four master slave J-K flip-flops with preset and clear terminals.

03 Three, 2-input AND-OR gate combinations.

04 One inverter (NOT gate).

05 4-input NAND gate.

06 Completely programmable panel to make any type of counter.

07 Switches for logic selection.

08 LED's for visual indication of output of each flip-flop.

09 Seven segment display with decoder circuit to display the output in decimal code.

10 One pulser switch for clock & one press switch for clear.

11 Adequate no. of other Electronic Components.

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

13 The unit is operative on 230V ±10% at 50Hz AC Mains.

14 Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections / observation of waveforms.

15 Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.

16 Weight : 4.00 Kg. (Approx.)

17 Dimension : W 415 x H165 x D 315

LIST OF ACCESSORIES:

01 Patch cords 4mm length 50cm Red.....13.

02 Patch cords 4mm length 50cm Black.....20.

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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