



DIGITAL TELEPHONE EXCHANGE TRAINER

MODEL - DEXCHANGE100

This trainer has been designed with a view to provide Practical and experimental Knowledge of a general circuit of Digital telephone Exchange on Single P.C.B.



SPECIFICATIONS

1. Telephone Lines : Two DOT Lines Four Extension Lines.(Expandable to 8)
2. Telephones Instru. : 4 nos.
3. CPU Section : Microprocessor Z-80 based stored program Control technique CMOS cross point switching.
4. Memory : 64K Program memory, 32K Data RAM for buffer
5. Line Section : Opto Isolation for Trunk Line and 4 Extension Line.
6. Tone Generation : Dial Tone, Busy Tone, Ring Back Tone, Hold-on Music
7. Speech Path : Fully Non-Blocking
8. Dial Speed : 10 + 1 PPS
9. Input Power : 230 VAC + 10% 50Hz
10. Test Points : 20 Nos.
11. Standard Accessories : 1. Experimental and Circuit Description Manual.
2. Connecting Patch cords. (6 Nos.)

EXPERIMENTS

1. To study Speech circuit
2. To study DTMF & Pulse dialing
3. To study Dual Tone Ring generator
4. To study switching mechanism between Trunk and Subscriber for Incoming and Outgoing Calls.
5. To study interfacing circuit between subscriber lines and switching digital circuit.
6. To study Tone generation

In keeping view of SIGMA policy of continuous development and improvement, the Specifications may be changed without prior notice or obligation.

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