

KVT-02 TELEPHONE EXCHANGE TRAINER



KVT-02 TELEPHONE EXCHANGE TRAINER is a Microprocessor based system designed to help the students to understand the basic concept and working of a Telephone Exchange. All the components are mounted on a single PCB in functional blocks and have various Test points to monitor all kinds of telephonic signals.

Features

- ◇ Non-Blocking type tone dialling,
- ◇ Distinctive Ringing,
- ◇ DTMF/ Pulse Dialing, Music on hold,
- ◇ Line Status Indication on the Exchange,
- ◇ Executive Telephone with special features,
- ◇ Control methods,
- ◇ Abbreviated Dialing,
- ◇ Automatic Call Back,
- ◇ Barge-in-with/ without tone,
- ◇ Call camp-on, Call Parking,
- ◇ Call Pick-up, Call Restriction,
- ◇ Call transfer,
- ◇ Call Forwarding,
- ◇ Follow me,
- ◇ Conference 4-Party,
- ◇ Direct outward dialing,
- ◇ Do not Disturb,
- ◇ Extension Privacy,
- ◇ Extension to Extension Call,
- ◇ Hotline on Extension,
- ◇ Hunting Group,
- ◇ Last Number Redial,
- ◇ Selective Trunk Line Access,
- ◇ Simultaneous Ringing,
- ◇ Wake up Alarm/ Reminder Call.

Specification

- **No. of Subscribers** : Two DOT Lines, Four Extension Lines
- **Line Section** : Opto Isolation for Trunk Lines and 4 Extension Lines.
- **Tone Generation** : Dial Tone, Busy Tone, Ring Back Tone, Hold-on music etc.
- **CPU Section** : Z80 Microprocessor based stored program control.
- **Memory** : 64KB Program memory (EPROM), 32KB Data RAM for buffer.
- **Speech Path** : Fully Non- Blocking.
- **Loop Resistance**
 - Extension : 600 Ohms.
 - Co-line : 1200 Ohms.
- **Cross Talk Attenuator**: >70dBm.
- **Idle Channel Voice** : >70 dBm.
- **Insertion Loss** : Extension to Extension not Less than 60 dBm. Extension to DOT Line not Less than 60 dBm.
- **Dial Pulse Ratio** : 10pps +/-,10%
- **Input Power** : 230VAC, 50Hz.
- **Longitudinal Balance** : 60dBm.
- **Switch Faults** : 8 Switch Faults are provided on board to study different effects on circuit.
- **Power Requirement** : +11V, +23V, +5V, +15V.

Optional

- Telephone set : 4 Nos.

Note : Specifications can be altered without notice in our constant efforts for improvement.