



**MI-ET101A Home Automation Electrical Wiring Trainer-** It is the basic training course tutor in electrical technology. The training system consists of various electrical components used in home automation & wiring technology. Provision to interconnect individual component with safe terminals on fascia. Consists variety of Electrical Safety protection devices & up to moderate Video Door Phone & Interphone devices.

## Features

- Demo of various tones/ functions like Dial, busy, ring tones & functions like Trunk dial, Redial, call receive, call pickup, call hold, call forward, call forward cancel, Automatic call back, call conference, call Transfer, Barge in & direct trunk access etc. 230VAC, 50VA mains operation
- Shock proof safety Banana Terminals & patch cords for inter connections & operations
- MS fabricated powder painted control panel
- Poly carbonate/Venyl front fascia with precision machined back support

## Learning's

- Study of various functional blocks.
- Study of Connecting Energy meter and MCB and test supply.
- Study of Connecting a switch with socket and bulb.
- Study of Two bulb control by a switch.
- Study of Series & Parallel connection.
- Study of Fixing of tube Light and Finding fault in tube light.
- Study of Two light control by two switches.
- Study of Fan control by regulator through switch.
- Study of Bulb control by Two way switch.
- Study of Corridor lighting.
- Study of Electric board and finding fault.
- Study of 1BHK & 2BHK wiring.

### Technical Specifications

- Two pole incoming mains switch socket with fuse protection and self illumination : 230VAC @ 6A
- Short circuit Protector : 230VAC @ 6A
- Earth leakage circuit breaker : 230VAC @ 100Ma earth fault / leakage current
- Watt Hour Meter : Digital display of V, I, COS $\theta$ , KWHa & KWHr
- Distribution module : L, N, E safety Terminals
- Expansion Module : Provision to multiply the connection point
- Mains outlet module : 230VAC @ 5A & 16A 2 pin socket - 1 no, 3 pin mains sockets - 2 nos & 3 pin power sockets - 2nos
- House wiring : Rocker switch 4 nos , 2way switch : 2nos
- Lamps and sockets : 15,40,60,100 Watts with 4 sockets, 1Ft Fluorescent Tubes : 1 no
- Relay Module: Time delay Relay : programmable time delay 30/60Sec on delay 230Vac
- Electric Heater: 1KW immersion coil, Induction/ Electric Pan: 1KW, Temp 250oc
- Step down transformer : 15VAC @ 1A
- Push buttons & Latching Switch : Push to on and Push to off
- 6 way Selector switch: 230VAC @ 5A
- Eye day light module : LDR/ Infra red day light switch with sensor, Sensitivity adjustment, LED annunciation & 1c/o Relay,
- Fire, Smoke sensing module : Temp and smoke sensing with LED annunciation, Fire acknowledge and reset, 1contact
- Gas leak sensing module : Gas sensing with sensor, Sensitivity adjustment, LED annunciation & 1c/o Relay,
- Home door video : LCD color video door phone, hands free & door bell module
- Interphone Module : 1 x 4 Intercom with RJ connectors on plug sockets, Pulse & Tone dialing, Cross point space division technology, 64KEEPROM, loop resistance : Extension- 600W, Co-line 1200W, Cross talk attenuation >70dBm
- Buzzer : 1 No.

### Package Contents



Power Cable



Patch Cord



User Manual

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