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Product Name :
Electrical Faults In Simple Air Conditioning Unit

Product Code :
LBNY-0005-12500093



Description :

training of mechatronics engineers for refrigeration
Electrical simulation of compressor and fan
Temperature control with thermostat and compressor
Simulation of the electrical circuit of a simple air conditioning system for cooling
Identification of 15 faults: multimeter measures voltages or resistances at the lab jacks
Real control circuits with electrical components, simulated load circuits
Operating states of the simulated components indicated via lamps in the circuit diagram
Fan with 2 adjustable speeds
Circuit diagram depicted on the front panel.

Technical Specification :

Simulated Compressor
Start-up current: > 3A
Electrical components for the fan
Speed switch
On/off switch
Thermostat: -5...35°C
Electrical Components For The Compressor
Start-up relay
Start-up capacitor
Overheat protection (bimetallic)
General safety devices

Automatic fuse
Main contactor.



Laboratory Instrument India