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Product Name :
Electrical Faults In Simple Air Conditioning Unit

Product Code :
LBNY-0005-12500083



Description :

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

Technical Specification :

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

Automatic fuse
Main contactor.



Laboratory Instrument India