



Email : sales@laboratoryinstrumentindia.com

Product Name :
Building Automation In Heating And Air Conditioning
Systems

Product Code :
LBNY-0005-1250007



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Description :

Heating and air conditioning technology is a key topic in building services engineering. The controller is adjusted to the respective tasks by programming, making additional cabling unnecessary. For the control and monitoring of heating and air conditioning systems DDCs (Direct Digital Control) or PLC air conditioning controllers are usually used in building services engineering.

Learning Objectives/Experiments:

Operation and programming of a DDC
Air conditioning system
Fault finding in a
Heating system
Effects of temperature changes on the operating behaviour of a
Heating system
Air conditioning system
Safety devices

Technical Specification :

Experimental unit from the practical series for the training of mechatronics engineers for refrigeration
Programmable DDC with selection and display of the operating states and error simulation
Operation and programming of a DDC for heating and air conditioning systems
Process schematics with bargraph displays and lamps for operating states of the actuators
Process schematic of the simulated heating system with 2 boilers, 2 heating lines and water heating

Process schematics on the front panel

Process schematic of the simulated air conditioning system with selectable outer air and recirculating operation
16 potentiometers in the process schematics to adjust simulated temperatures.



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