

ZM6124 General Air Conditioning Trainer



I Introduction

This trainer is designed for an exhaustive study of the thermodynamic transformations the air undergoes when crossing the various stages of a modern air conditioning unit that serves a room where temperature and relative humidity must be checked. Measuring air temperature and humidity in different points enables to analyze air cooling, heating, humidification, dehumidification. Moreover some simulators of room and outdoor temperature and of room humidity are included to verify the logic of control system in all the conditions that can occur in an air handling unit. Supply software which can monitor voltage, current, frequency, power, power factor, 38 pressure, flow, etc, they can be displayed on PC in real time, and can print report.

II Training Program

Using the psychrometric chart to study the transformations the air undergoes in the different sections of and air handing unit, that is: sensible heating, steam humidification, cooling and dehumidification. Assessing the heat balances corresponding to the different sections of the air handing unit Analyzing the operation of temperature and humidity controllers for AHU
Direct and reverse acting proportional control
ON/OFF step control
Dampers temperature control

Supplied with:

English General Refrigeration Manual
English Experimental Handbook

Note :

Due to keeping innovation, the specification and Machine pictures or color are subject to alteration without notice!