DLGK-JD3 Advanced Process Control Trainer

■ Overview

● DLGK-JD3 Advanced Process Control Trainer is composed of control panel, computer desk and process control unit.Control panel is the center of the whole control system, and it mainly has power supply module, device transfer module 1,device transfer module 2, frequency converter module,LED indicate module and PLC module, its role is to collect a varies of analog, switch signal to calculating, processing, and convey the operational results to actuating equipment to control.

■ Technical Parameter

● Input power: single-phase, three-wire AC 220V±10% 50Hz

● Operating power: DC24V 3A

● Environment temperature: -10℃~ 40℃

● Environment humidity: ≤ 90% (25℃)

● Total dimension (process control unit): 1650×800×1850mm

● Training screen: 1340×700×1650mm

● Capacity: ≤ 2.5KVA

● Electric logic: NPN or PNP

● Occupancy PLC I / O points

Switch input points: 2 way(DC24V) Switch output points: 2 way (DC24V)

Analog input points: 4 way (Current type/voltage type)

Analog output points: 2 way(Current type/voltage type)

PA communication station: 2 way

■ Optional

● HMI

● CP5611 communication card

● Computer table

■ Training content

● Application of PROFIBUS PA sensors

● Application of brightness control module

● Experiment of first stage single bottom water tank objective characteristic testing

● Experiment of second stage double containers bottom water tank objective characteristic

testing

● Two stepping control experiment of boiler linner tank

● PID setting experiment of first stage water tank level

● PID setting experiment of second stage double-capacity bottom water tank level

● PID setting experiment of boiler liner water temperature

● PID setting experiment of boiler liner water temperature (Dynamic)

● PID control experiment of frequency converter pressure sensor

● PID control experiment of top and bottom water tank cascade stage