



## 1. Overview

"DLPLC - DT1 elevator training set" is professional PLC control training object which designed for vocational and technical education, higher education, designed for "programmable logic controller technology" and "programmable logic controller principle and its application", "maintenance electrician", "PLC application technology", "PLC principle and application" course in the colleges and universities. This device is suitable for PLC (programmable logic controller) learning and application training, students' pre-job training and worker retraining in senior vocational colleges and universities, higher institutions, not only can meet PLC experiment teaching and related courses design and assessment requirements of universities and colleges, vocational schools, but also can be used as engineering and technical personnel training equipment.

## 2. The system function

The elevator training device is composed of floor, car, stroke limit institutions, call light, car door, control panel, control motor, sensor, actuator, etc. can collect all kinds of signals, such as inner-choose button signal, outer-choose button signal, floor limit signal, elevator threshold signal, can realize the logic control; Be able to do two groups of car elevator and the elevator door switch control, and can combine experiment; Have up and down and open-close door hardware power-off protection function, effectively avoid motor offside operation fault;

Through the content of the project, project analysis, project implementation, project summary and ability evaluation, complete the basic skills, professional skills and post skills.

## 3. System feature

1. It is composed of the floor, has car, stroke limit institutions, call light, car door, control panel, control motor, sensor, actuator, etc.
2. Electrical aspects is composed of dc reducer motor and sensors, limit switch, light, etc.
3. This system uses the computer simulation modern information technology means, through the operation, simulation, simulation, three training level, solves the professional training theory, experiment, practice and actual application disjointed problem.
4. Configure configuration software, and provide application guidance and application engineering example.
5. Easy to learn: supporting help to learn software material library. Supporting educational software, electronic materials, material database software, project teaching software, industry simulation software, etc. series of teaching software upgrading.
6. Easy to teach: use the project teaching method combining with the teaching case. Supporting higher education publishing multimedia electronic teaching material, multimedia electronic teaching plan production platform and project teaching software, make the teacher's experiment teaching and theoretical teaching easier
7. Protection function: with lifting and on hardware power-off protection function, effectively avoid motor offside operation failure.

Note: Specifications are subject to change.

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#### 4. System technical parameter

1. 1. Power input: 4 v dc power supply

2. Working environment: -10°C 40°C

3. Training platform

Physical size: 600 \* 400 \* 1000 (length \* width \* height)

V The training content

Open and close door control test

Lifting inner two floor choose up and down, the open and close door control test`

Inner three floor choose up and down control test

Inner four floor choose lift control test

Outer three floor call lift control test

Outer three floor call lifting and open and close door control test

Outer four floor lift control test

Three Floor elevator comprehensive control test

Four elevator integrated control experiment and project practice.

#### 5. Configuration lists

No.	Name	Model and Specification	Quantity
1	Training Platform Base	Sheet metal structure, the appearance of spray processing base have regulator, and ensure the smooth degree	1 Set
2	Four layers elevator control system		1 Set
3	The connecting line	Fully meet the experiment line connection need	1 Set
4	Accessories and spare parts	Meet fixed element, connecting line need	1 Set
5	Software and data	Equipment related software and instructions	1 Set

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