



## DLWD-ETBE12D-L Primary Electrical Lighting Skills Assessment Training System



DLWD-ETBE12D-L primary electrical lighting skills assessment training system is designed and researched based on the teaching of conventional lighting circuits and outdoor lighting lines. Practical operation of electrical control circuit and practical electronic circuit can be carried out listed in the teaching material of "Lighting Circuit Foundation Installation", "Lighting Control Circuit" can make students' operation skills get good exercise and improvement. The training device not only can be used as the practical teaching for vocational school students, but also is an ideal equipment for assessing primary and intermediate maintenance electrician skills.

### Technical parameters of training equipment

1. Input power: Three phase five wire 380V $\pm$ 10% 50HZ
2. Working environment: Ambient temperature range -5 $\sim$ 40 $^{\circ}$ C

3. Capacity:

AC power supply : <1.5KVA

DC excitation power supply : <0.5A

Armature power : <2A

4. Dimension: 1810x720x1620mm (L\*W\*H)

5. Technical parameters :

1) Input power: Three phase five wire 380V±10% 50HZ

2) Working environment: Ambient temperature range -5~40°C

3) Capacity: AC power supply : <1.5KVA

6. The total power control has the function of leakage protection. When the leakage current reaches 30mA, the protection device moves.

7. The grid voltage indication is provided with 450V pointer type AC voltmeters. 3pcs.

**Experimental contents of primary lighting training equipment**

1 Switch control socket and lamp

2 Two dual double control switches control a light

3 Three switches control a light

4 Control of incandescent lamp by sound control switch

5 Experiment of single-phase watt hour meter

6 Connection circuit of single-phase electric energy meter through mutual inductor

7 Wiring circuit of AC voltmeter and AC ammeter

8 Measuring three-phase voltage with universal change-over switch

9 Three phase power factor meter wiring

10 Wiring diagram of three-phase four wire watt hour meter

11 Wiring diagram of three-phase four wire electric energy band transformer

19 Remote control incandescent light on/ off training

20 Training of fluorescent lamps installed in two ways (fluorescent and holder separately and together)

21 Three position control and multi-switch control incandescent training (middle switch have a medium switch)

22 Double-double control switch control training

23 Training of wall socket installation (two-hole outlet, three-hole socket, an Ethernet jack, the phone line socket)

24 Incandescent dimming Training

25 Application of self-locking, self-reset, emergency stop, illuminated buttons, etc.

26 Bell installation and use

27 Circuit diagram of the rotary switch

28 Study multimeter measurement methods, how to test the circuit and check failures

29 How to use of computer software with a multimeter. Monitoring of current, voltage and other electrical parameters