



DESCRIPTION

• The electrical control+pneumatic+PLC training set can be used for 3 different purposes, namely electric control, pneumatic control, and PLC training of the same training set.

• Elements such as electrical power unit, button, and indicator unit, relay unit, digital time relay unit, and digital counter unit are on the control panel at the top.

• The control element to be used is mounted on the rails mounted on the perforated sheet on the left side. It is removed when the job is done.

• Since attaching and removing the cables on the control elements with screws will damage the elements over time, cable connections are made directly to the sockets mounted on the screws.

• Pneumatic control applications can be made by installing electro-pneumatic circuit elements on the panel seen on the right side.



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➤ Electric-Electronic Training Sets

ELECTRICAL CONTROL +PNEUMATIC +PLC TRAINING UNIT ADVANCED LEVEL

SET CONTENTS

- The training kit trolley measures 1665 mm (L) x 700 mm (W) x 1880mm (H) with a solid wooden body.
- Lockable material cabinet with 3 drawers made of sheet metal.
- 720 x 720mm perforated sheet panel.
- Control cabinet made of aluminum profile measuring 1515mm (L), 295mm (H), 180mm (W).
- Symbols of all elements were printed on the Panel with the UV printing technique.
- There are born sockets for inputs and outputs.
- The power unit, input 380VAC, output 24VDC, short circuit protected.
- Emergency stop button
- The button unit consists of 4 varied normally open, and 2 varied normally closed buttons.
- Buzzer unit
- The indicator unit consists of 4 different colors, nickel-plated, metal body lamp.
- PLC unit is Siemens S7 1200 PLC, CPU 1214, and can be mounted on the panel.
- The relay unit consists of four 4-contact relays
- Signal indicator column
- The potentiometer unit consists of two 5k potentiometers.
- Digital counter and timer unit.
- Siemens brand, KTP 700 model is used for HMI module. Can be mounted on the panel
- Residual current relay module 1 phase, 30mA (1 pcs.)
- Residual current relay module 3 phase, 30mA (1 pcs.)
- Automatic fuses 1 phase, 6A (3 pcs.)
- Automatic fuse 3 phase, 16A
- Motor safety switch 2,5-4A,
- Thermal relay
- Multifunction time relay
- Star delta time relay
- Contactor (4 pcs.)
- Electric motor, 0.75kw, 3 phase (380V AC), star-delta operation
- The load module consists of a DC motor, Step motor, and encoder. It is an optional unit and is removable.
- Pneumatic conditioner unit
- Pneumatic diffuser unit
- Pneumatic on/off valve
- The electrical cable set comes in 24 different sizes and different colors.