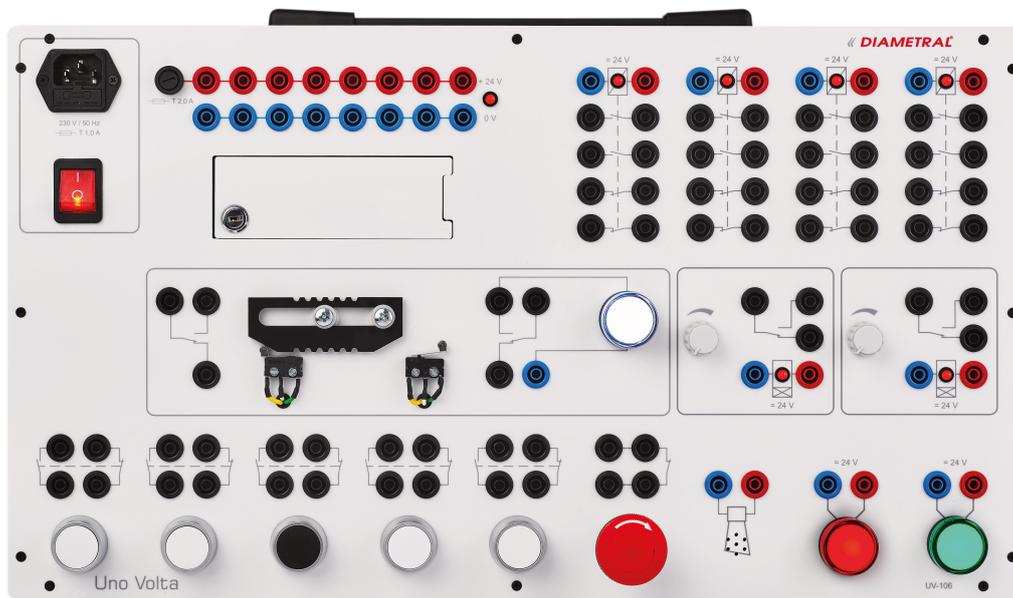


Tutorial Panels Uno Volta

UV-106

Tutorial Panel for Connecting Circuit Wiring with Contactors – 1

The UV-106 tutorial panel is used to practice and make experiments when connecting electrical control circuits with contactors. Students can learn the basic principles of contactor function and their purpose in electrical circuits. The panel offers countless possibilities for wiring and simulation, such as electric motor control, changing the direction of engine rotation, end-of-turn signalling including acoustic signalling, activation of the machines with a delay etc. The power supply of the panel is realized by 230V / 50Hz voltage from the power supply. Built-in power supply provides 24V DC voltage to supply contactor coils and other devices. The panel is equipped with a fault simulator, which the teacher can activate with using the switches under the lockable door.



Parts used

- Relay with DC coil 24V
- Red LED 5mm
- Time relay + potentiometer
- End switch (2x micro-switch)
- DC power source 24V
- Hooter 100 Db
- White button 4x
- Black button
- TOTAL STOP button
- Green signal light 24V
- Red signal light 24V
- White signal light 24V
- Handle for simulation of a movement and switching of the end switches (for example lathe support).
- Lockable fault panel for simulation of faults and their subsequent detection.



Examples of connection

- Controlling the electric motor, direction, start
- Scanning of the end positions and calling a subsequent function, simulation of the lift, shift, etc..
- Launch the device with a delay
- Contactor connection of switching circuit with Start, Stop, and direction change buttons
- Failure evaluation and indication
- The UV-106 panel in combination with UV-107 panel is needed for a connection of the three-phase motors.

Accessories:

- Power cord
- Operating Instructions

Optional accessories

- Security patch cords
- Protective bag
- Task book

Optional faults:

1. Malfunction of the green light signal lamp
2. Left end switch (micro-switch) – contact malfunction
3. Malfunction of buzzer
4. Push button 4 permanently closed
5. Shortcut at the push button TOTAL STOP
6. Push button 3 permanently open
7. Interrupted coil on the relay 2
8. Malfunction of the time relay 1

Contacts

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