

Tutorial Panels Uno Volta

UV-111 Single-phase Electric Motor Wiring Panel

The UV-111 tutorial panel serves to get you acquainted with the problem of connecting a single-phase electric motor. The panel is also equipped with a fault simulator that the teacher can activate by switches placed under the lockable cover. The tutorial panel includes a complete wiring of a single-phase electric motor controlled by a circuit with a contactor and push-buttons and serves to demonstrate the standard wiring function and to detect the faults that can occur in practice. There are measurement points at the important points of the wiring diagram. Students can provide the measurements during the detecting process of faults at all important locations to detect the source of a fault.



Parts used:

Electric motor	AC
Pojistky	3 pcs
Current protection	1 pcs
Signalisation of switching	LED
Push button	Start / Stop with contractor
Lockable fault panel for simulation of faults and theirs	
subsequent detection	





UV-111

List of simulated failures

- 1. Interrupted fuse f3
- 2. Thermal protection off
- 3. The working zero wire is not connected
- 4. Interrupted main fuse f4
- 5. Interrupted fuse f1
- 6. Interrupted fuse f2
- 7. Dropped (Interrupted) motor starter
- 8. Interrupted contactor coil
- 9. Inverse function of the on button
- 10. The auxiliary contact of contactor is not connected
- 11. The power contact of contactor is not connected or is connected improperly (phase)
- 12. The power contact of contractor is not connected or is connected improperly (zero)
- 13. Reverse function of the OFF button
- 14. Contactor fault, shorted contact (N)

Accessories:

- Power cord
- Operating Instructions

Optional accessories

- Security patch cords
- Protective bag
- Task book

Contacts

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