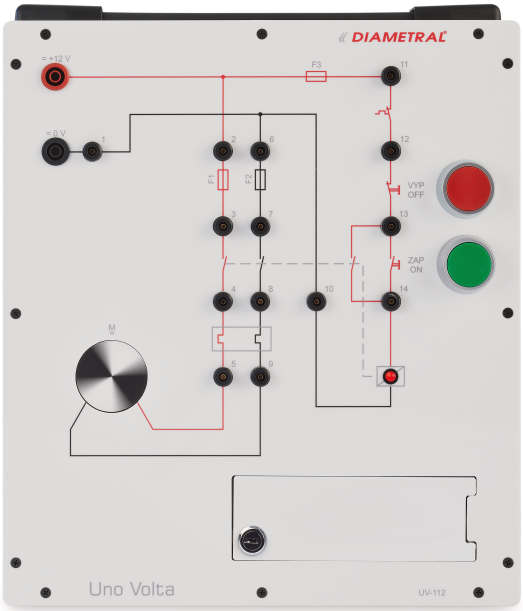
Tutorial Panels Uno Volta

UV-112
DC Motor Connection Panel

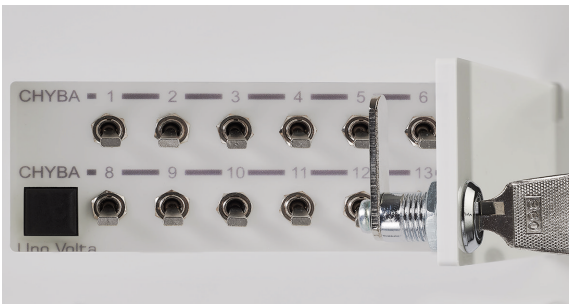
The UV-112 tutorial panel serves to get you acquainted with the problem of DC motor connection. The panel is also equipped with a fault simulator that the teacher can activate by switches placed under the lockable cover. The tutorial panel contains a complete circuit of a DC electric motor controlled by contactor circuit and push-buttons and serves to demonstrate the standard wiring function while also detecting faults that can occur in practice. There are measurement points at the important points of the wiring diagram. Students can provide during the detecting process of faults the measurements at all important locations to detect the source of the fault.



Parts used:

Electric motor	DC
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



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 (+)
12. The power contact of contactor is not connected or is connected improperly (-)
13. Inverse function of the off button
14. Unconnected working zero on the contactor coil

Accessories:

- Power cord
- Operating Instructions

Optional accessories

- Security patch cords
- Protective bag
- Task book

Contacts

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