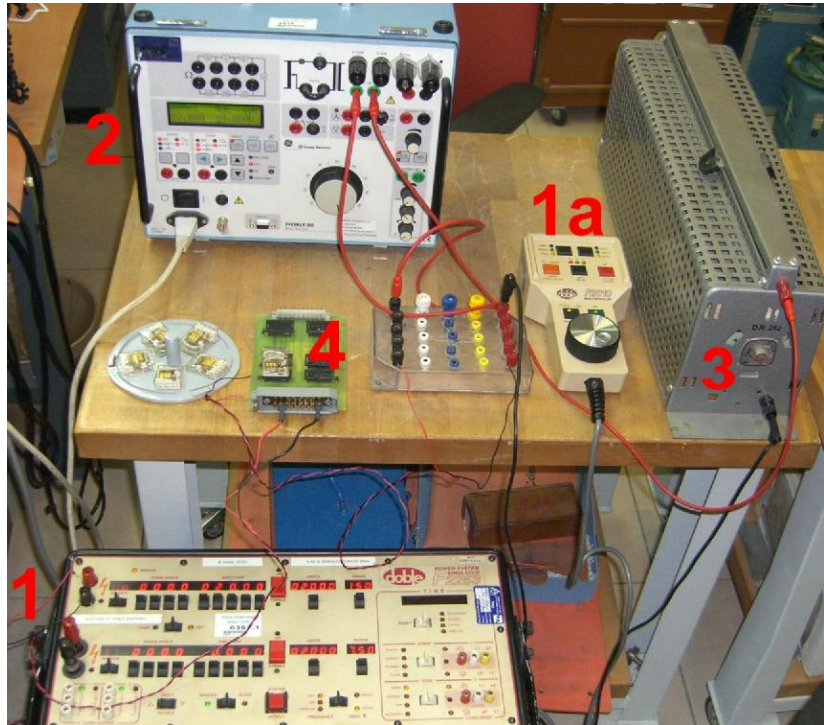
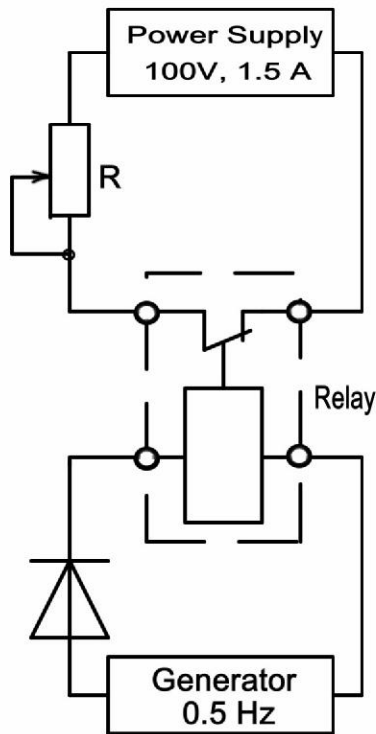




Method for cleaning of a contacts in miniature covered electromechanical relays

In the electrical equipment the miniature covered electromechanical relays with rated current of contacts 5 – 16A are often used for switching very small currents (milliamps) at a voltage 5 – 12 V. Switching of circuits in such conditions occurs without a spark and contacts of the relay will quick oxidize that leads to increasing of a transitive contacts resistance and to malfunction of the equipment. It is impossible to open and clean the contacts of such relays and not always probably to get new relays for replace oxidized relays.

According to offered method the coil of the relay is connected to supply of unipolar voltage pulses with frequency of 0.5 Hz causing periodic make and break of the relay contacts with resistive electrical load about 1 – 2 A alternating current at 100V. A full self-cleaning contact of the relay occurs in an automatic mode during 10 - 15 minutes.



1 – pulses supply; 2 – alternating current 1 - 2A at 100V supply; 3 – rheostat; 4 – module with set of the small electromechanical relays