

ELECTRIC POWER SYSTEMS LABORATORY

SAFETY INSTRUCTIONS

1. Students in the laboratory must be aware of the risk of electric shock, especially when the circuit is supplied with is 230 V or 400 V AC. Information on safety considerations were discussed during “Electric circuits” lecture. They can also be found in the book *J.D. Irwin, R.M. Nelms "Basic Engineering Circuit Analysis", Wiley, 2005* in chapter 9.9.
2. Connecting of the circuits should be conducted according to the laboratory instructions. Due to the diversity of power supply circuits, instructor usually provide specific guidelines that must be followed. One should keep following order:
 - 2.1. Put necessary equipment on the table in the order providing transparency of measured circuit,
 - 2.2. Connect equipment terminals using provided cables,
 - 2.3. Connect the power source (do not turn it on!)
 - 2.4. Call the instructor to check connections.
3. Power source can be only switched on if the instructor have checked and approved the circuit. Unauthorized powering of the circuit is forbidden! Teams that do not comply with this rule will be expelled from the laboratory and current exercise will be considered as not passed.
4. The circuit may be disconnected only after instructor have checked and approved measurement results. Before disconnecting cables turn off the power source!
5. During operation with powered circuit:
 - 5.1. Never hurry, work deliberately and carefully,
 - 5.2. Remove conductive watch bands or chains, finger rings, wrist watches, etc., and do not use metallic pencils, metal or metal edge rulers,
 - 5.3. Do not touch the circuit components (except regulation),
6. In the event of danger, immediately turn off safety switch on the supply board, as indicated by the operator when starting exercise - either by removing the plug from the socket - or the main switch lever on the board. Immediately notify the teacher about this fact.

7. Students confirm knowledge of this instruction by signing the following declaration:
*I declare that I am aware of the safety rules of the laboratory and I will follow them.
In particular, I declare that I have been informed of the rules of safe work in this lab,
and I am aware of the consequences that may result from my carelessness or
inattention.*

Warsaw, 20.....

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