

SUNY CANTON COLLEGE  
ELECTRICAL ENGINEERING TECHNOLOGY

ELEC141 Industrial Controls  
[hartle@canton.edu](mailto:hartle@canton.edu)

**Safety: Industrial Controls Laboratory Operating Procedures**

These guidelines are to describe safe operating practices to protect users and equipment. They are not intended as the only source or practices to follow.

1. Do not energize circuits with sources higher than 40 volts until review and confirmation by the laboratory instructor or designee.
2. Do not connect the circuit to the power supply until instructor approval.
3. Use the appropriate fusing protection. (Calculate the load Current).
4. Before connection to power supply, confirm circuit resistance with ohm meter and continuity check. Activate all push buttons or switches while testing resistance. The circuit resistance should be higher than \_\_\_\_\_ ohms. What is the coil resistance?
5. Use a source indicator (light bulb) as a visual indication that the circuit is energized.
6. **Safety Glasses** are required and worn at all times.