

PLC120 LAB 1.3: BASIC CONNECTIONS WITH THE AC/DC TRAINING UNIT

Student Name: _____

Student ID: _____

LAB OUTCOMES:

Upon completion of this lab procedure, the student should be able to:

1. Explain sources of direct current.
2. Measure resistance with a DMM.
3. Measure voltage with a DMM.
4. Wire a basic DC circuit.

LAB PROCESS:

1. Identify and explain two sources of direct current.

2. Your instructor will provide you with a resistor.

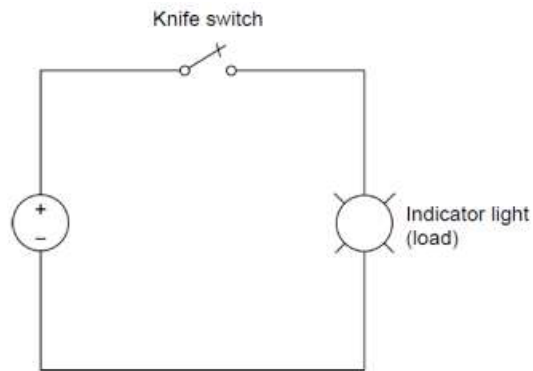
What is the resistance? _____

3. Using the AC/DC training unit, measure the voltage across both the DC and AC power sources.

AC voltage: _____

DC voltage: _____

4. Wire a basic DC series circuit of P/S, switch, and pilot light.



5. Measure the voltage across each component in this circuit.
6. Measure and explain the resistance of a toggle switch when on, then off.

The outcomes of this exercise (listed on page 1) specifies the skills that the Student must demonstrate to the Instructor. Once the Instructor is satisfied with the demonstration of Knowledge & Skills by the individual student, they will sign this document (for the student), then enter a 100% into the Hands-On Lab grade in Sakai.

I verify that this student has completed all of the requirements of this Hands-On Assessment:

Student Name: _____

Faculty Signature: _____ Date: _____

DOL DISCLAIMER:

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