

PLC126 LAB 1.3: BASIC ALLEN BRADLEY SLC-500 OPERATION

Student Name: _____

Student ID: _____

LAB OUTCOMES:

1. Identify specified output on the correct output module
2. Identify the communication ports on the processor, and what cabling would be required
3. Identify the communication ports on the programming panel (computer), and where the communication cables would connect.
4. Identify the processor, power supply, discrete input and output modules, and analog I/O module on an SLC-500 training unit.
5. Explain what the following processor indicators mean: Run, Batt, RS-232, and Force
6. Demonstrate how to use the RSLinx software to create an RS-232 driver

LAB PROCESS:

Work with the instructor to identify a PLC training unit to work with while performing the basic Allen Bradley SLC-500 operation. You will also be provided with an electrical print by the instructor.

Part 1

1. Identify the processor, power supply, discrete input and output modules, and analog I/O module on the SLC-500 training unit.
2. Identify the power supply, discrete input and output modules on an electrical print and correlate to the SLC-500 training unit.
3. Identify an output on the electrical print and corresponding address as specified by the instructor.
4. Identify the output specified by the instructor on the correct module .

5. Identify the communications ports on the processor, and what cabling would be required.
6. Identify the communications ports on the programming panel (Computer), and where the communications cables would connect.
7. Explain what the following processor indicators mean: Run, Batt, RS-232, and Force.
8. Demonstrate how to open the RSLinx software.
9. Demonstrate how to delete any existing communications drivers in RSLinx.
10. Demonstrate how to create an RS-232 driver in RSLinx.
11. Demonstrate viewing an SLC-500 processor in the RSWho window of RSLinx

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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