

EET165 Lab #1

Name: _____

Name: _____

Name: _____

Date performed: _____

Title: Using the lab equipment.

Purpose: To introduce the students to the equipment by loading a simple program into the PCL equipment.

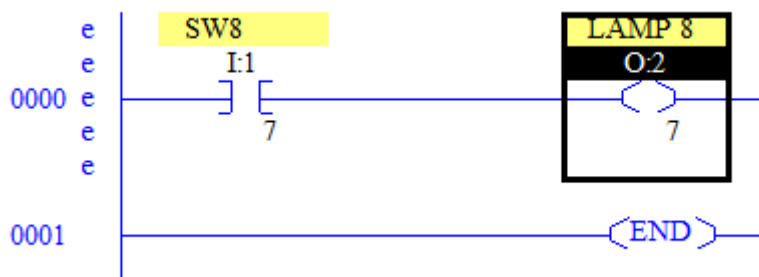
Prelab: There is no prelab for this lab.

Procedure: Using the equipment and components provided in the lab, complete the lab as described.

Step 1: Power up the equipment and open a new program following the instructions in the "[RsLogix 500 – Power Up Sequence](#)" handout.

Step 2: Copy the Ladder Logic program shown below into your blank project. You will need to highlight the existing rung so the left side turns red. You can then drag a new rung into your program.

The input will be I:1/7 and the output will be O:2/7.



Step 3: Check your program using the computer icon with the green check on it.



Step 4: Once the program is error free, download the code into the PLC panel following the instructions in the “[RsLogix 500 – Programing the PLC](#)” handout.

Step 5: Verify that when switch 8 is turned on, lamp 8 turns on. Verify that when switch 8 is turned off, lamp 8 turns off. If your program does not work as it should, exit run mode and correct the program.

Step 6: Once your program is running correctly, demonstrate it to the instructor who will sign off on the working program.

Signature: _____

Step 7: After the instructor has signed off on the program, copy your program code into a PDF following the instructions in the “[RsLogix 500 – Printing](#)” handout.

Step 8: Print out the pdf copy of your program and staple the printout to the back of this lab.