

PLC 220 Hands-On Assessment

Module 1

Student Name: _____ N# _____ Date: _____

This hands-on assessment requires that each student successfully demonstrates each of these tasks to the instructor's satisfaction. There is no grade for this assessment.

Prior to taking this assessment, the student must pass (minimum of 80%) the Knowledge and Application Assessment.

The student cannot proceed to the HOA for the next module without completing this HOA

Equipment: Computer with Studio 5000 and RSLinx software
Ethernet Twisted pair cables
ControlLogix Demo Board

- _____ 1. Using RSLinx – verify to ControlLogix Demo Board Ethernet Module with the available Ethernet driver

- _____ 2. Configured a new ETHIP driver in RSLinx
Name the Driver AB_ETHIP_HOAXXX
XXX are your initials
Verify connection to ControlLogix Ethernet Module

- _____ 3. Configured a new ETH driver in RSLinx
Name the Driver AB_ETH_HOAXXX
XXX are your initials
Verify connection to ControlLogix Ethernet Module

- _____ 4. PING the demo board Ethernet Module

- _____ 5. Using the Studio 5000 software and the demo board information found on the RSWho window, set-up an I/O Configuration based on the Modules located in the ControlLogix chassis on the demo board.

- _____ 6. Program a Ladder Logic rung to have the SS5 switch to turn ON the PL7 indicator.

- _____ 7. Save the Project as Module_1_HOA_XXX.ACD
XXX are your initials.

- _____ 8. Download the Project File to the ControlLogix processor and verify operation.

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