PLC220 Lab 1: Demo-Board Configuration

Required Materials

- ControlLogix Demo Board with 1756-L71 processor and Ethernet Commuication Module
- Computer with Studio 5000 and RSLinx software
- Ethernet TP cable(s)
- Lesson File – Module 1 Lesson 2.0 – Getting Started Studio 5000
- Lesson File – Module 1 Command Line Utilities

1. Using IPConfig utility dertermine:
   IP Address of Computer:_____
   Subnet Mask of Computer:_____
   Physical (MAC) Address of Computer:_____

2.   Using RSLinx software – connect the computer to the Ethernet module on the ControlLogix Demo Board using TP cables

   Verify Connection using ETHIP driver in RSLinx RSWho window

   Match the IP Address scrolling across the 1756 Ethernet module's display to the IP Address shown in RSLinx ETHIP driver.

   192.168.101.59 shown in Figure 1-A

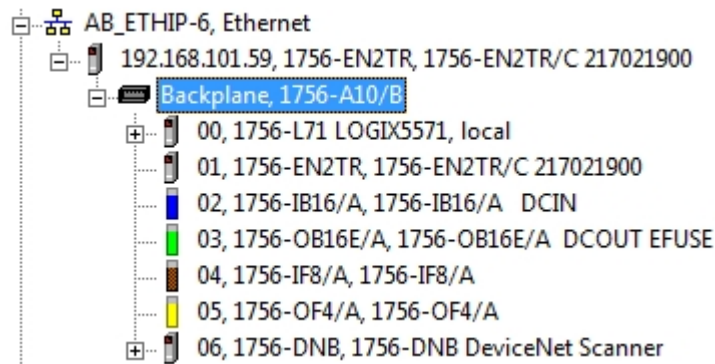   Expand the IP driver to view modules in demo board chassis

Figure 1 – A
RSLinx – ETHIP Driver
Note: Ask Instructor for assistance if there is no Ethernet connection
Configuring a 1756 Ethernet Module is covered in Module 2.

3. Use PING utility to verify connection between computer and ControlLogix Ethernet Module

4. From RSLinx determine the following information of the demo board hardware.

Chassis Part Number:_____

Slot Number	Module Part #	Module Revision #
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

5. Using Module 1 Lesson 2.0 – Getting Started Studio 5000.

Configure an I/O Configuration for the demo board hardware.

Write a 1 Rung Project file is that SS7 Switch will turn ON PL 3 indicator light. Add documentation as shown in Figure 2 – A.
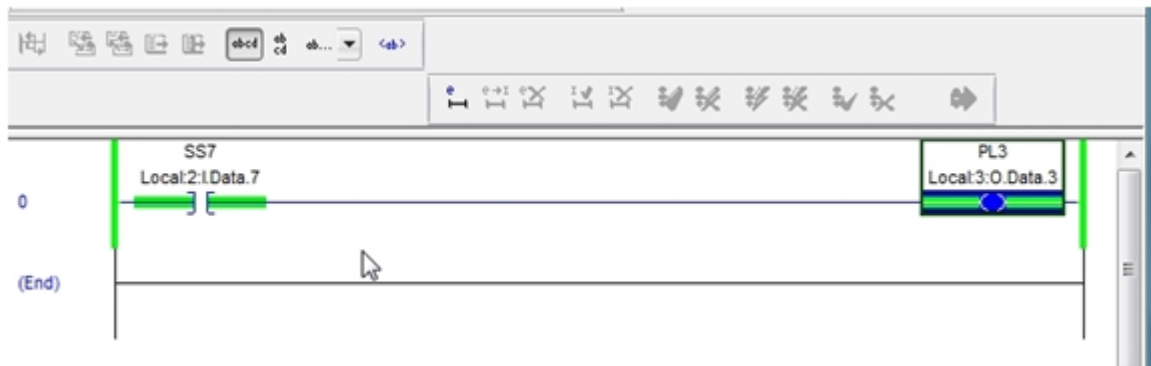
Figure 2-A

6. Save the Project File as Module1_Lab1.ACD

Save the Project File as Module1_Lab1.L5K

7. Download the Project File to the 1756-L71 processor on the demo board.

8. Verify Project file operation

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