



ControlLogix PLC and Troubleshooting

Start Date: 9/25/2017 8:00 AM

End Date: 9/28/2017 4:00 PM

After this course you will be able to:

1. Identify a ControlLogix system and its components
2. Identify basic ladder logic instructions and their meaning
3. Configure the communications drivers for RSLogix 5000®; and RSLinx®;
4. Use the programming software to monitor input and output devices
5. Understand the diagnostics provided by the programming software
6. Perform general practices for maintaining and troubleshooting a PLC system

Introduction

An Overview of Programmable Logic Controllers
Identifying RSLogix 5000 Software Components
Interpreting RSLogix 5000 Project Organization and Execution

Communications

Connecting a Computer to a Communications Network
• Communicating with a ControlLogix Controller

Creating Projects, Tags, and Instructions

Configuring Local I/O Modules
Creating Tags and Monitoring Data
Drafting Basic Ladder Logic
Selecting Basic Ladder Logic Instructions
Entering Ladder Logic Components
Monitoring Arrays and Tags of User-Defined Data Types
Documenting and Printing Components
Searching for Project Components
Interpreting a Basic RSLogix 5000 Project

Maintenance and Troubleshooting

Applying Preventative Maintenance and Troubleshooting Strategies
Troubleshooting ControlLogix Controller Problems