



Business Industrial Network

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CONTROLLOGIX INTRODUCTION - DAY 4

Description

This module has been designed to teach students the two software tools that can be used in troubleshooting: searching and trending. Students are then introduced to status indicators on ControlLogix I/O and communication modules. The third lesson will focus on troubleshooting. Students will learn methods for monitoring and clearing latched diagnostic bits that originate from diagnostic I/O modules. Forcing as a troubleshooting tool is covered in the final lesson.

Topical Outline

1. Searching and Trending

- RSLogix Search Utility
- Search and Replace
- Trending

2. ControlLogix Indicators

- Discrete Input LEDs
- Output Module LEDs
- Analog I/O Module LEDs
- Communication Module LEDs

3. Troubleshooting

- Machine troubleshooting overview
- Diagnostic indicators
- Whole machine faults
- Zone faults
- Communication faults

4. Tag Database Diagnostic Bits

- Retrieving module fault information from the tag database
- Retrieving instruction fault information from the tag database

5. Forcing I/O

- Definition of forcing
- Effects of forcing
- Performing the Force function
- Guidelines when forcing
- Searching for Forces

6. Practice programming and documentation exercises