

ControlNet and RSNetWorx Configuration and Troubleshooting

OEM: Rockwell Automation • Duration: 3 Days (24 hrs) • Code: CCP173

COURSE MODULES & TOPICS

Course Purpose

- Implementing a logical process for troubleshooting ControlNet and RSNetWorx™ components
- Identifying problems with communications cards, cabling, and other network hardware
- Applying best practices and network troubleshooting tools

Objectives

- Design and troubleshoot a ControlNet media system
- Go online to a ControlNet network
- Enter scheduled ControlNet I/O data connections for Logix5000 controllers
- Enter ControlNet messages for Logix5000 controllers
- Isolate faulty ControlNet and RSNetWorx media using signal measurement equipment
- Isolate ControlNet and RSNetWorx network malfunctions using LEDs and mnemonic displays
- Identify a ControlNet and RSNetWorx network malfunction using RSLinx software
- Troubleshoot a ControlNet and RSNetWorx network using RSNetWorx for ControlNet software

Who Should Attend

- Responsible for designing/configuring a new ControlNet & RSNetWorx network
- Managing/modifying an existing ControlNet & RSNetWorx network

Prerequisites

- An ability to perform basic Microsoft Windows tasks
- Experience with Windows-based programming software (Studio 5000® software) is desirable, but not essential

Student Materials

- Student Manual – Includes the key concepts, definitions, and examples presented in the course and includes the hands-on exercises
- ControlNet Coax Tool Kit

Provided Tools

- Cable strip tool
- Crimp tool
- Utility knife
- Wire cutters
- Calibration/flare tool
- Terminators and connectors

Course Agenda

Day 1

- Designing and Troubleshooting a ControlNet Media System
- Going Online to a ControlNet Network
- Entering Scheduled ControlNet I/O Data Connections for Logix5000 Controllers

Day 2

- Entering ControlNet Messages for Logix5000 Controllers
- Getting Started with Troubleshooting a ControlNet and RSNetWorx Network
- Isolating Faulty ControlNet and RSNetWorx Media Using Signal Measurement Equipment
- Isolating ControlNet and RSNetWorx Network Malfunctions
- Isolating ControlNet and RSNetWorx Network Malfunctions Using LEDs and Mnemonic Displays

Day 3

- Identifying a ControlNet and RSNetWorx Network Malfunction Using RSLinx Software
- Troubleshooting a ControlNet and RSNetWorx Network Using RSNetWorx for ControlNet Software
- Troubleshooting a Scheduled ControlNet and RSNetWorx Data Connection for Logix5000 Controllers