

PowerFlex 700S Phase II Maintenance and Troubleshooting

OEM: Rockwell Automation • Duration: 3 Days (24 hrs) • Code: PFX700S2-LD

COURSE MODULES & TOPICS

Objectives

- Understand PowerFlex 700S Phase II high-performance AC drive hardware
- Configure parameters using the LCD HIM
- Configure drive parameters using DriveExecutive and DriveExplorer software
- Configure motor control options
- Select speed feedback options
- Upgrade communications module firmware
- Configure a gear-in application
- Configure Synchlink™ communications
- Troubleshoot a PowerFlex 700S Phase II high-performance AC drive
- Install and configure a ControlNet communications adapter
- Install and configure an EtherNet communications adapter

Prerequisites

- Working knowledge of electricity, and knowledge of electrical and industrial safety (including PPE requirements and safe practices)
- Ability to perform basic Microsoft Windows tasks
- Completion of the AC/DC Motors and Drives Fundamentals course (CCA101)

Student Materials

- Student Manual contains the key concepts, definitions, and examples presented in the course and includes the hands-on exercises.

Course Agenda

- Understanding Drive Basics
- Understanding PowerFlex 700S Phase II High Performance AC Drive Hardware
- Configuring Parameters Using the LCD HIM
- Configuring Drive Parameters Using DriveExecutive Software
- Configuring Drive Parameters Using DriveExplorer Software
- Configuring Motor Control Options
- Selecting Speed Feedback Options

- Upgrading Communications Module Firmware
- Configuring a Gear-In Application
- Configuring Synchlink Communications
- Troubleshooting a PowerFlex 700S Phase II High Performance AC Drive
- Installing and Configuring a ControlNet Communications Adapter
- Installing and Configuring an EtherNet Communications Adapter