

Introduction to PowerFlex 755T Drives, Including Maintenance and Troubleshooting

OEM: Rockwell Automation • Duration: 3 Days (24 hrs) • Code: DRV256

COURSE MODULES & TOPICS

Course Purpose

- The 20-HIM-A6 LCD keypad module installed on the drive
- Connected Components Workbench™ software
- Studio 5000 Software

Prerequisites

- Working knowledge of electricity, and knowledge of electrical and industrial safety (including PPE requirements and safe practices).
- Completion of the AC/DC Motors and Drives Fundamentals course (Course No. CCA101)
- Fundamentals of AC and DC Motors and Drives or equivalent experience
- Completion of the Studio 5000 Logix Designer Level 1: ControlLogix System Fundamentals (CCP146)
- Previous experience with PowerFlex 750-Series is required.

Student Materials

- Student Manual Includes the key concepts, definitions, examples, and activities presented in this course.
- Lab Book Provides learning activities and hands-on practice. Solutions are included after each exercise for immediate feedback.

Course Agenda

Day 1

- Drive Family Overview
- Catalog Number Explanation
- VFD & AFE – Operational Theory
- Hardware Overview
- Options
- Ports and Parameters
- Faults and Alarms

Day 2

- Drive Configuration
- Secondary Motor Control
- Two AC Line Sources
- Energy Pause
- Speed Feedback Function
- Emergency Override
- Adaptive Control Features
- AFE Setup

Day 3

- XT & Predictive Maintenance
- Leveraging Control Diagram
- Troubleshooting Tips
- Publications Overview
- Open Lab