



AUTOMATION

COURSE DRV256

Introduction to PowerFlex 755T Drives Including Maintenance and Troubleshooting

This skill-building course introduces concepts and techniques to help you successfully select, maintain, and troubleshoot a PowerFlex® 755T drive. You will learn how to recognize PowerFlex 755T drive hardware and properly wire the drive. You will also learn to diagnose specific faults and alarms. Throughout the course, you will have the chance to use a variety of maintenance and troubleshooting tools, including:

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

After each discussion topic, you will be given exercises that offer hands-on practice using a PowerFlex 755TS drive workstation. This three-day course can be taken as a stand-alone course or in conjunction with other courses in the PowerFlex curriculum for further skills development.

**Tuesday, October 27 -
Thursday, October 29**

8AM - 5 PM

**SMC Joplin
923 W. 4th Street
Joplin, MO**

**Cost: \$2,972
Includes Lunch**



**Authorized
Service Provider**
A ROCKWELL AUTOMATION PARTNER

To register, please contact Suzan McPherson at smcpherson@smcelectric.com



Course Agenda

- Product Family Overview
- Catalog Numbers
- VFD & AFE Operation
- Hardware Overview
- Option Modules
- Port and Parameter Structure
- Faults and Alarms
- Drive Configuration
- Secondary Motor Control
- Using Two AC Line Sources
- Using Energy Pause
- Velocity Feedback
- Emergency Override
- Adaptive Motor Control
- Active Converter Setup
- XT and Predictive Maintenance Features
- Control Block Diagrams
- Troubleshooting
- Reference Publications

Hands-on Practice

Throughout this course, you will have the opportunity to practice the skills you have learned through a variety of hands-on exercises using a PowerFlex 755T Frame 2 drive workstation.

Exercises focus on the skills introduced in each lesson and allow students to explore PowerFlex 755T-Series drive components and troubleshoot faults and alarms. The PowerFlex 755T-Series drive workstation introduces real-world maintenance and troubleshooting situations into a classroom setting. The skills learned apply to the other PowerFlex 755T drive models and frame sizes.

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)
or
- 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.



Learn more and register at
smcelectric.com

