

# Drives

## PowerFlex® 750-Series Configuration and Startup Course Description

### COURSE AGENDA

#### Day 1

- Verifying PowerFlex 750-Series Drive Installation
- Locating and Modifying PowerFlex 750-Series Drive Data Using the A6 HIM
- Configuring EtherNet/IP Communications Adapter for a PowerFlex 750-Series Drive
- Locating and Modifying PowerFlex 750-Series Drive Data Using Drive Software

#### Day 2

- Starting Up a PowerFlex 750-Series Drive
- Interpreting PowerFlex 750-Series Control Block Diagrams
- Controlling PowerFlex 750-Series Drive Operation
- Creating a DeviceLogix Program in a PowerFlex 750-Series Drive



### COURSE NUMBER: CCA182

#### Course Purpose

Upon completion of this course, given a wired PowerFlex 750-Series drive (PowerFlex 753 or PowerFlex 755) and AC motor, you will be able to start up the drive and configure drive parameters to meet application needs.

Throughout the course, you will have the chance to use a variety of hardware and software tools, including:

- The A6 LCD HIM
- DriveExecutive software
- DriveExplorer software

After each demonstration, you will be given exercises that offer extensive hands-on practice using a PowerFlex 753 or PowerFlex 755 drive.

This two-day course can be taken as a stand-alone course, or it can be taken in conjunction with other courses in the PowerFlex 7-Class curriculum to further broaden skills development.

### **Who Should Attend**

This course is intended for individuals who need to configure and start up PowerFlex 750-Series drives.

### **Prerequisites**

To successfully complete this course, the following prerequisites are required:

- 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 (Course No. CCA101) or *Fundamentals of AC and DC Motors and Drives Web-based training* (ePass/WBT1PACK) or equivalent experience

### **Technology Requirements**

All technology is provided for student use in the classroom by Rockwell Automation. It is not necessary for students to bring any technology with them when attending this course.

### **Student Materials**

To enhance and facilitate your learning experience, the following materials are provided as part of the course package:

- *Student Manual:*
  - Contains the topical outlines and exercises
  - Used to follow presentations, take notes, and work through exercises
- *PowerFlex 750-Series AC Drives Documentation Reference Guide:*
  - Searchable, electronic resource
  - Contains frequently referenced technical documentation
- *PowerFlex 750-Series AC Drives Programming Manual:*
  - Source of drive parameters and other key data
  - Contains frequently referenced programming documentation

### **Student Materials (cont.)**

- *PowerFlex 750-Series AC Drives Installation Instructions*

### **Hands-On Exercises**

Throughout this course, you will have the opportunity to practice the skills you have learned through a variety of hands-on exercises:

- Exercises focus on the skills introduced in each lesson.
- Exercises are performed on a PowerFlex 750-Series workstation.
- Exercises are performed in class using both wired drives and unmounted, non-functioning drives.

### **Next Learning Level**

Once you have mastered the skills covered in this course, you will have the knowledge and skills necessary to attend the next level of PowerFlex 750-Series training. In particular, this course will benefit those students enrolling in the *PowerFlex 750-Series Configuration for an Integrated Architecture System* course (Course No. CCA18x).

### **Course Length**

This is a two-day course.

### **Course Number**

The course number is CCA182.

### **IACET CEUs**

CEUs Awarded: 1.4



### **To Register**

To register for this or any other Rockwell Automation training course, contact your local authorized Allen-Bradley Distributor or your local Sales/Support office for a complete listing of courses, descriptions, prices, and schedules.

You can also access course information via the Web at <http://www.rockwellautomation.com/training>

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