

PowerFlex 400 AC Drive Field Startup for HVAC Applications

OEM: Rockwell Automation • Duration: 1 Day (8 hrs) • Code: CCA171-LD

COURSE MODULES & TOPICS

Objectives

- Basic drive and motor technology
- PowerFlex 400 and configured product overview
- General programming and bypass lab
- Application specific features overview and labs
- Installation and application considerations
- DriveExplorer software overview
- Network communications overview
- Start up registration procedure
- Relate product features to application needs
- Verify proper installation of the drive
- Effectively program the drive

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) or equivalent experience
- Previous experience working with AC drive technology

What Will the Technician Provide?

- Drive and motor nameplate information
- Verify proper drive installation
- Physical inspection of the equipment, including checking all electrical connections for tightness
- Verify proper mounting and grounding
- Verify proper distribution network and power being applied to the Drive
- Verify installation checklist or electrical checks
- Verify drive set-up, tuning, programming and operation
- Provide application description

Course Agenda

- Basics of Drive and Motor Theory
- PowerFlex 400 Product Overview
- General Programming Lab
- Application Specific Features Overview and Labs
- Bypass Lab
- Installation and Application Considerations
- Configured Product Overview
- DriveExplorer Software Overview
- Network Communications Overview
- Start Up Registration Procedure
- Written Exam