

Power Control (Drives and Motor Control Centers)



CENTERLINE MCC with IntelliCENTER Software Commissioning on an EtherNet/IP Network Course Description

Course Agenda

Day 1

- Recognizing CENTERLINE MCC Structure and Assembly
- Verifying Connections Between CENTERLINE MCC Sections
- Implementing an EtherNet/IP Topology for a CENTERLINE MCC
- Configuring Stratix 5700 EtherNet/IP Switch Settings
- Installing IntelliCENTER Software and MCC Data Disks

Day 2

- Configuring IntelliCENTER Security and Management Settings
- Integrating IntelliCENTER Energy with FactoryTalk EnergyMatrix Software
- Modifying CENTERLINE MCC Lineup Properties Using IntelliCENTER Software
- Configuring E300 and E3 Plus Electronic Overload Relays
- Configuring PowerFlex 525 and PowerFlex 40 Drive Parameters
- Adding MCC Devices and Uploading Data to a Studio 5000 Logix Designer Application

Day 3

- Working with Automatic Device Configuration for IntelliCENTER MCC Devices
- Adding IntelliCENTER ActiveX Controls to a FactoryTalk View Application
- Viewing IntelliCENTER Energy Software Data
- Adding Documentation to an IntelliCENTER Software Database
- Modifying the MCC Device Spare Parts List in IntelliCENTER Software
- Managing IntelliCENTER Software Databases



Course Number

CCI108

Course Purpose

After completing this course, given a newly installed CENTERLINE® MCC with IntelliCENTER® software, you should be able to produce an operational motor control system over an EtherNet/IP network.

Throughout the course, you will work with a number of hardware and software products, including:

- IntelliCENTER software
- E300™ and E3 Plus™ electronic overload relays
- PowerFlex® 525 and PowerFlex 40 variable speed drives
- Stratix® 5700 industrial Ethernet switches
- Logix5000™ controllers and the Studio 5000 Logix Designer® application
- FactoryTalk® View software

You will be introduced to a variety of tools you can use to ensure proper functioning of a motor control system. This course also shows how CENTERLINE MCCs interact with other parts of a control system.

LISTEN.
THINK.
SOLVE.®

Who Should Attend

System engineers and/or other individuals responsible for starting the operation of a CENTERLINE motor control center should attend this course.

Prerequisites

The following prerequisites are required:

- Working knowledge of electricity, and knowledge of electrical and industrial safety (including PPE requirements and safe practices)
- Completion of the *Studio 5000 Logix Designer Level 1: ControlLogix System Fundamentals* course (Course No. CCP146) 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 the students' learning experience, the following materials are provided to each student as part of the course package:

- *Student Manual:*
 - Includes the key concepts, definitions, examples, and activities
 - Labs provide learning activities and hands-on practice
- *CENTERLINE MCC on an EtherNet/IP Network Procedures Guide:*
 - Provides step-by-step instructions for tasks that are common to devices that can interact with a motor control center
- *EtherNet/IP Procedures Guide:*
 - Provides the steps required to complete tasks common to configuring Stratix® switches and other devices for communication over an EtherNet/IP network

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 ABT-TDMCCENET and ABT-TDIALITE workstations. Exercises focus on the skills introduced in each lesson.

Course Length

This is a three-day course

IACET CEUs

Rockwell Automation is authorized by IACET to offer 2.1 CEUs for this program.



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>

Rockwell Automation is accredited by the International Association for Continuing Education and Training (IACET) and is authorized to issue the IACET CEU. [Click here](#) to view the Rockwell Automation Certificate of Accreditation.

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