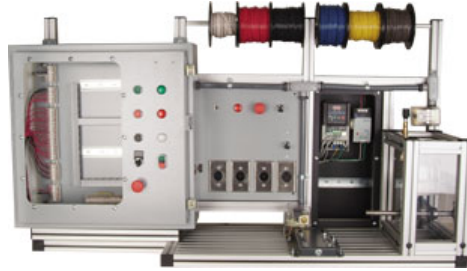


Motor Controls Level 2



Description

Industrial Motor Controls Level 2 introduces the students to blueprint reading and symbols in order to advance them into diagram development and programming for motors. Students learn how to connect multiple motors and how to troubleshoot system errors using hands-on components and simulation software.

Skills

- Focuses on the development of academic knowledge, employability skills, and technical skills. As students progress through the curriculum, the classroom instructor uses a detailed rubric to subjectively evaluate the student's skill and proficiency.

Objectives

- Identify symbols and blueprints.
- Create simple circuits using diagrams.
- Build and use delays to circuits.
- Use tools and testing equipment.
- Learn OSHA regulations.
- Use ladder logic to generate circuit diagrams.

Activities

- Lesson 1 Safety
- Lesson 2 Level 1 Manual 1 Review
- Lesson 3 Level 1 Manual 2 Review
- Lesson 4 Tools and Test Instruments
- Lesson 5 Electric Symbols and Circuits
- Lesson 6 Ladder Logic I
- Lesson 7 Wiring Simple Circuits
- Lesson 8 Ladder Logic II
- Lesson 9 Wiring Advanced Circuits
- Lesson 10 PowerFlex 4 Drive
- Lesson 11 Advanced PowerFlex 4 Programming
- Lesson 12 Dual-Motor Hook-Up I
- Lesson 13 Dual-Motor Hook-Up II
- Lesson 14 Delays
- Lesson 15 Troubleshooting I
- Lesson 16 Troubleshooting II
- Lesson 17 Troubleshooting III
- Lesson 18 Programming Software I
- Lesson 19 Programming Software II
- Lesson 20 Challenge and Review

Standards

DEPCO courseware is developed from the Manufacturing Skill Standards Council (MSSC) and the National Skill Standards Board (NSSB). Close correlation with these standards will provide students with the skills and knowledge necessary for success in the workplace.

Module Includes:

Training Manuals, Instructor's Manual, Installation CD, Programming Software, Metric Flange Nut, T-Bolt, Headphones

Curriculum Specifications

Motor Controls Level 1 is the prerequisite