

Corporate Office

7042 Fairfield Business Dr.
Fairfield, OH 45014-5480
(513) 874-3225
(513) 874-3229 Fax



AC Motor Controls and Relay Ladder Logic

Course Description: This course covers the fundamentals of electrical power and theory. The course begins with a review of safety and safe operation in the electrical industry. Students will review the different types and uses of induction motor windings, motor starters and circuits, motor protection, ladder logic symbols and diagrams.

Prerequisites: None

Textbook: CFC-Solar Binder

Learning Objectives:

- Safety and safe operation standards
- Types of induction motor windings and typical uses
 - Single winding, Single phase, Split phase
 - Three phase, Induction motors
 - Reversing motors
- Motor starters and starter circuits
- Motor protection
 - Overload Relays, operation and sizing
 - Motor enclosures
- Ladder Logic
 - Symbols and abbreviations
 - Logic statements
 - Diagram generation