

Print Reading



I. Reading Electrical Diagrams

- · Electrical Diagrams
- ·Schematic Symbols
- · Practice Exercise I & II
- · Relays
- ·Special Relays
- ·Timers
- · Counters
- · Practice Exercise III

II. Static and Manual Control Switches

- · Basic Ladder Diagram
- · Static Control Switches

III. Sensing and Timing Control Switches

- · Common Pilot Devices
- · Limit Switches
- · Pressure Switches
- · Flow Switches
- · Float Switches
- · Temperature Switches
- · Foot Switches
- · Proximity Switches
- · Photoelectric Switches
- · Fiber Optic Photoelectric Switches
- · Plugging Speed Switches
- · Reed Switches
- ·Timers

IV. Electromagnetic Control Switches

- · Electromagnetic Principles, Solenoids, and Relays
- · Basic Solenoid Components and Their Functions
- · Basic Relay Components and Component Functions
- Types and Application of Solenoids and Relays
- · Control Relays
- ·Latch/Unlatch Relays
- · Magnetic Contactors
- · Motor Starters
- ·Solenoids
- · Fuses and Circuit Breakers
- · Overloads

V. Understanding Electrical Control Circuits

- Wiring and Schematic Diagram Symbols
- · Electrical Diagrams
- · Ladder Diagrams
- Basic Rules of Electrical Ladder Diagrams