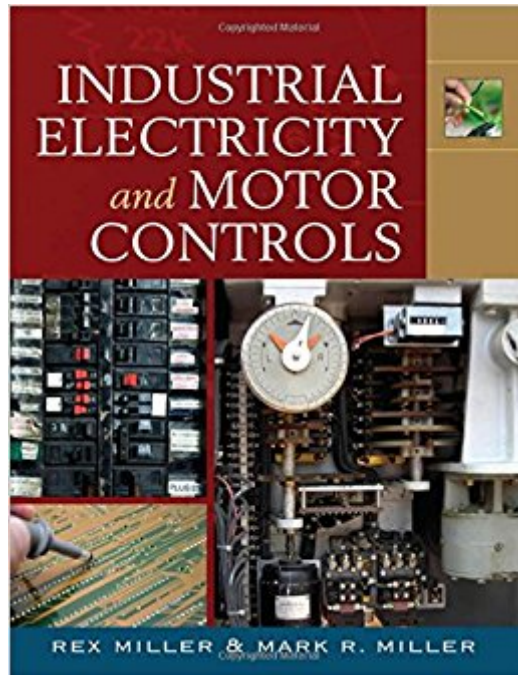




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# Industrial Electricity And Motor Controls



## Synopsis

Dramatically Improve Your Knowledge Base, Skills, and Applications in Every Area of Industrial Electricity Turn to *Industrial Electricity and Electric Motor Controls* for complete coverage of the entire industrial electrical field—from the basics of electricity to equipment, to troubleshooting and repair. Packed with over 650 illustrations, the latest codes and regulations, many study questions and review problems, this career-building tool shows you how to boost your skills and confidence, and then apply this expertise effectively in the workplace. It also includes strategies for avoiding common problems and performing proper procedures on every job. *Industrial Electricity and Electric Motor Controls* features:

- Learning how to read blueprints, schematics, schedules, site plans, as well as mechanical or electrical plans
- Information on electric motors and their controls
- Troubleshooting and repair techniques using the ladder diagram or schematic
- Methods for achieving safety in the workplace
- A handy glossary of terms
- A large selection of appendices for reference

Inside This Comprehensive Book on Industrial Electricity you will find

- Tools
- Safety in the Workplace
- Symbols
- Control Circuits and Diagrams
- Switches
- Magnetism and Solenoids
- Relays
- Motors
- Timers and Sensors
- Sensors and Sensing
- Solenoids and Valves
- Motor Starting Methods
- Solid State Reduced Voltage Starters
- Speed Control and Monitoring
- Motor Control and Protection
- Three-Phase Controllers
- Drives
- Transformers
- Power Generation
- Power Distribution Systems
- Programmable Controllers
- Troubleshooting and Maintenance
- Industrial Electricity as a Career
- Appendices: DC Motor Trouble Chart, Wound-Rotor Motor Trouble Chart, Fractional Horsepower Motor Trouble Chart, Selection of Dual-Element Fuses for Motor-Running Overload Protection, Tables and Formulas, Full-Load Currents of AC and DC Motors, Power Factor Correcting Capacitors, Switch Symbols, Wiring Diagram Symbols, Unit Prefixes, Conversion Factors, Decibel Table

## Book Information

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## Customer Reviews

Rex Miller is Professor Emeritus at SUNY College at Buffalo, having taught there for more than 35 years. Mark Miller is Professor of Industrial Technology at the University of Texas at Tyler.

I used this to teach someone electrical that never had any experience. Great reference and great shipping. Buy one if you need to learn the basics about electricity

Excellent book for any younger technicians working in the field! I've learned a lot from this book. If you build or do maintenance work on automated equipment this is useful and worth having.

The material is presented in a clear and understandable format. Most chapters cover details necessary to familiarize electricians, technicians, or students

Writing is good. Illustrations are Very Dated, (Old, not up to date) I have seen and purchased better. OK I Guess, but I wouldn't purchase again.

Even for someone (including engineers) who need to get up to speed quick on "industrial EE" and Motors. Highly recommended.

its exactly what I thought it was. I would recamend to anybody wanting to learn more about industrial motors and motor controls

full of great information

Good book very helpful

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