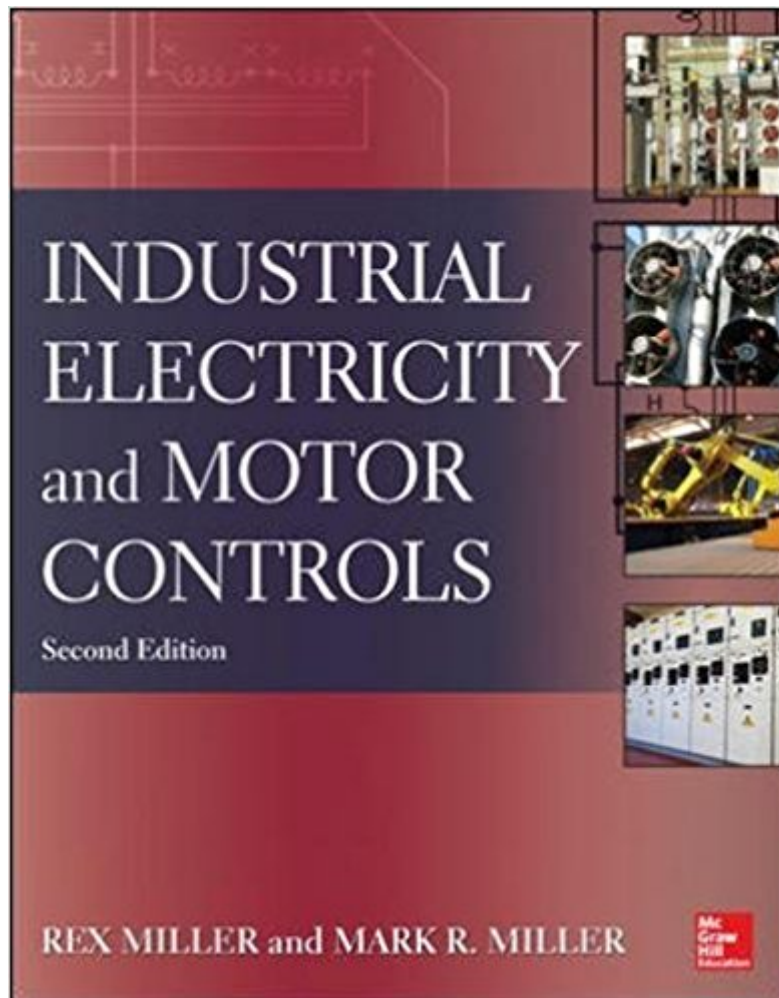




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# Industrial Electricity And Motor Controls, Second Edition



## Synopsis

The most complete, up-to-date guide to industrial electricity This practical resource offers comprehensive coverage of the entire electrical field and its equipment, including troubleshooting and repair. You'll learn how to read and interpret schematics and drawings and safely work with all electrical components and systems on the jobsite. The Second Edition features a new chapter on robotics, a new 16-page color insert, and information on the latest codes, regulations, and devices. Filled with more than 650 photos and diagrams, study questions, review problems, and detailed answers, this career-building tool helps you enhance your electrical and electronics expertise and apply it effectively in the workplace. Industrial Electricity and Motor Controls, Second Edition covers:

- Tools and equipment
- Safety in the workplace
- Symbols used in electrical wiring diagrams and ladder diagrams
- Control circuits and diagrams
- Switches
- Magnetism and solenoids
- Relays
- Electric motors
- Timers and sensors
- 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
- Robotics
- Careers in electricity

## Book Information

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## Customer Reviews

Rex Miller is Professor Emeritus of Industrial Technology at the State University of New York College at Buffalo where he taught technical curriculums at the college level for more than 40 years.

Dr. Miller is the author or coauthor of more than 100 textbooks and a like number of magazine articles. His books include McGraw-Hill's bestselling Electrician's Pocket Manual, Carpentry & Construction and Electricity and Electronics for HVAC. Mark R. Miller is Professor and Coordinator of Industrial Technology at the University of Texas at Tyler. He is the author or coauthor of more than 30 textbooks for trade and technical programs, including Electricity and Electronics for HVAC.

This book was very poorly designed. Constantly throughout the book it would refer to something, and 195 pages later would define it. Sometimes, it didn't at all. The repetitiveness was aggravating, especially when the good explanation was the third one. My impression is that they just grabbed a bunch of manufacturers literature, and printed it with their name on it. The color pictures in the middle are pretty useless, and don't relate to what's going on. ALL that being said, YES I did learn something, and that's why it got 2 stars. There is info in there to be had, its just hard to get it out.

PRO:-Cheaper than the bookstore  
CON:-No page numbers, so good luck trying to follow along in class  
Seems to be written for someone who has already had a class before it  
Feels like it's 20+ years old  
Poorly written for someone to learn from

If you're a beginner or just brushing up on your electrical trade this is one of the best electrical books I've ever came across. For \$45 you get a lot of knowledge.

Handy reference for the novice or journeyman.

Answered a lot of my questions.

helped to make my job easier

Great info for somebody that wants to learn about industrial electricity

It's great I'm really learning so much..

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Industrial Electricity and Motor Controls  
Modern Industrial Electrical Motor Controls: Operation, Installation and Troubleshooting Electricity

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