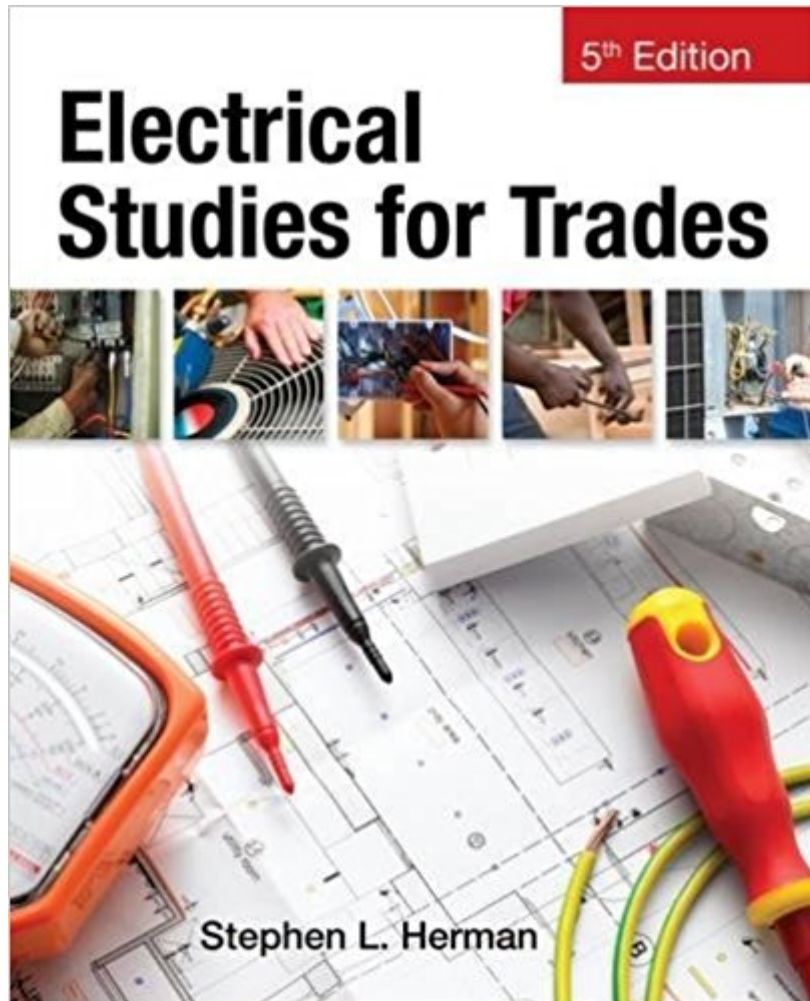




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Electrical Studies For Trades



Synopsis

Packed with real-world examples, vivid illustrations, and the latest developments from the field, **ELECTRICAL STUDIES FOR TRADES, 5th EDITION** is ideal for current and future service technicians in air conditioning and refrigeration, construction, and facilities management--and anyone else who needs a practical knowledge of electricity. Extremely reader-friendly, the book begins with an overview of basic electricity concepts--rather than complex mathematical calculations. From here, you proceed directly to "must-know" information, including how to determine wire sizes and make a variety of common switch connections. Different types of electrical power panels are also examined in detail. Discussion of general wiring practices and circuit protectors, as well as an introduction to transformers and three-phase and single-phase motors, round out the comprehensive coverage.

Book Information

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Preface. Unit 1. Atomic Structure. Unit 2. Electrical Quantities, Ohm's Law, and Resistors. Unit 3. Electrical Sources and Static Charges. Unit 4. Magnetism. Unit 5. Series Circuits. Unit 6. Parallel Circuits. Unit 7. Combination Circuits. Unit 8. Measuring Instruments. Unit 9. Alternating Current. Unit 10. Alternating Current Loads. Unit 11. Capacitive Loads. Unit 12. Three-Phase Circuits. Unit 13. Transformers. Unit 14. Three-Phase Transformers. Unit 15. Electrical Services. Unit 16. General Wiring Practices Part 1: Receptacle and Switch Connections. Unit 17. General Wiring Practices Part 2: Protection Circuits, Dimmers, and Chimes. Unit 18. Three-Phase Motors. Unit 19. Single-Phase

Motors. Unit 20. Schematics and Wiring Diagrams. Unit 21. Motor Installation.

Stephen L. Herman is a retired electrician and teacher with more than 30 years of experience to his credit. A seasoned author, his reader-friendly textbooks on electricity and mathematics are popular with students and instructors alike. For two decades Mr. Herman was lead instructor for the Electrical Technology Curriculum at Lee College in Baytown, Texas, where he received an Excellence in Education Award from the Halliburton Education Foundation. He also taught at Randolph Community College in Asheboro, N.C., for nine years and helped establish an electrical curriculum for Northeast Texas Community College in Mount Pleasant, Texas. His additional publications include ELECTRIC MOTOR CONTROL, ELECTRICITY AND CONTROLS FOR HVAC/R, INDUSTRIAL MOTOR CONTROLS, UNDERSTANDING MOTOR CONTROLS, ELECTRONICS FOR ELECTRICIANS, ELECTRICAL WIRING INDUSTRIAL, ALTERNATING CURRENT FUNDAMENTALS, DIRECT CURRENT FUNDAMENTALS, ELECTRICAL STUDIES FOR TRADES, ELECTRICAL PRINCIPLES, ELECTRICAL TRANSFORMERS AND ROTATING MACHINES, EXPERIMENTS IN ELECTRICITY FOR USE WITH LAB VOLT EQUIPMENT, THE COMPLETE LABORATORY MANUAL FOR ELECTRICITY, and PRACTICAL PROBLEMS IN MATHEMATICS FOR ELECTRICIANS.

It was to old and for that price i realy was expenting more

It's an excellent book that gives u lots of Information, and theory really recommended for Electricians.

Exceeded expectations. Such an informative book.

Not over detailed or over pictured. Easy to understand. Some calculations, questions and answers found to be incorrect or typos.

What has impacted me mostly about this book is its ease of understanding the laws of electrical current and for someone who is illiterate as I can grasp the aspects of electricity from the studying of this book. I highly recommend it.

Every electrician should have one of these. !!!!

Very happy.

The book arrived on time, and the author does a decent job at explaining the topics in the books.

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