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# Electricity And Controls For HVAC



## Synopsis

This edition has been written with the assumption that the student has no prior knowledge of electricity or control systems relative to HVAC-R. Basic electrical theory is presented in a practical, straight forward manner. The text begins with basic electrical theory and progresses to alternating current, series and parallel circuits, and resistive, inductive, and capacitive circuits. Individual devices and components common to the air conditioning, refrigeration, and heating field use are presented in a practical manner. Furthermore, it includes a new section on residential and commercial icemakers and their control systems.

## Book Information

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## Customer Reviews

Basic Electricity. Control Circuits. Single-Phase Motors. Three Phase Motors. Transformers. Control Components. Troubleshooting Using Control Schematics. Ice Maker and Refrigeration Controls. Solid State Devices. Solid State Controls. Glossary. Index. --This text refers to an out of print or unavailable edition of this title.

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.

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