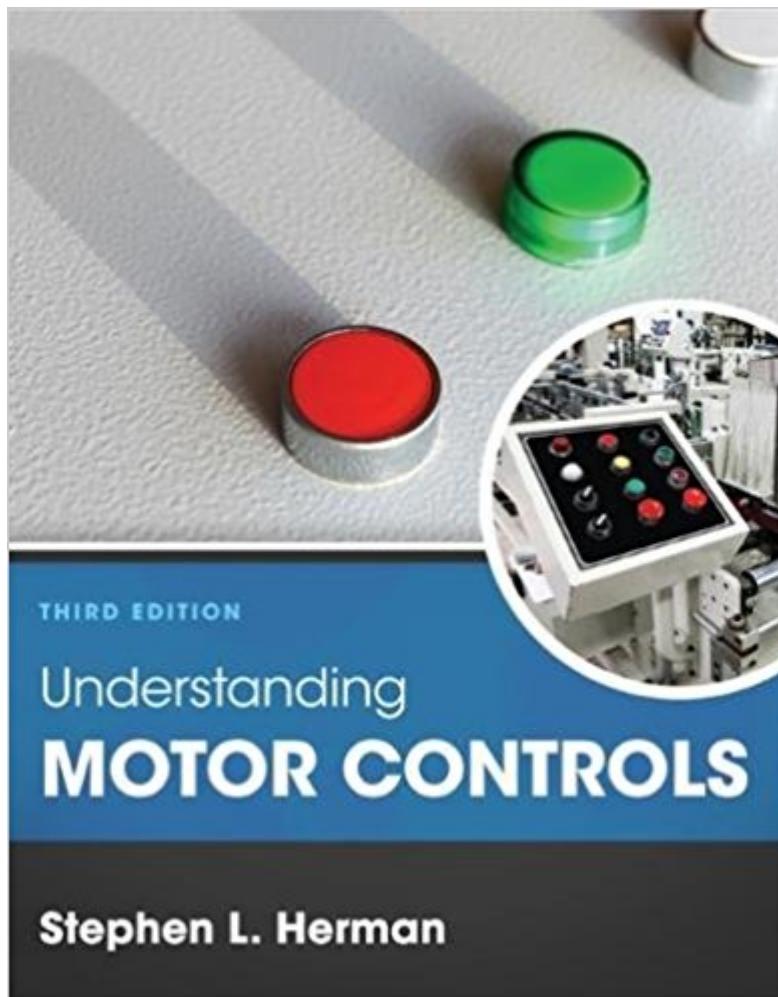


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# Understanding Motor Controls



## **Synopsis**

Using a real-world systems approach to learning motor control devices, UNDERSTANDING MOTOR CONTROLS, 3rd Edition teaches you to install, troubleshoot, and test electrical motors like the pros! Starting with basic control circuits and components, this book covers all must-know applications and procedures to ensure your success in the more complex topics. From safety and development to operations and problem solving, UNDERSTANDING MOTOR CONTROLS prepares you for a career as an industrial electrician with a strong foundation in basic control circuits, sensing devices, solid-state controls, variable speed drives, programmable logic controllers (PLCs), and more. In addition, hands-on lab experiments give you practice putting what you learn into real-world practice.

## **Book Information**

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## **Customer Reviews**

"The sections on the various controls are good for the most part." "There is a wonderful number of schematics! My students are technically minded and that will help them picture what is really going on inside." "Location and community needs dictate particular emphasis on certain areas of the Motor Control Industry; UNDERSTANDING MOTOR CONTROLS is a well-balanced text that should meet the needs of any area." "The questions are presented in a way that requires thought yet at the same time are not as though their content is out of bounds with the information within the particular unit."

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, ALTERNATING CURRENT FUNDAMENTALS, DIRECT CURRENT FUNDAMENTALS, ELECTRICAL STUDIES FOR TRADES, ELECTRICAL PRINCIPLES, 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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