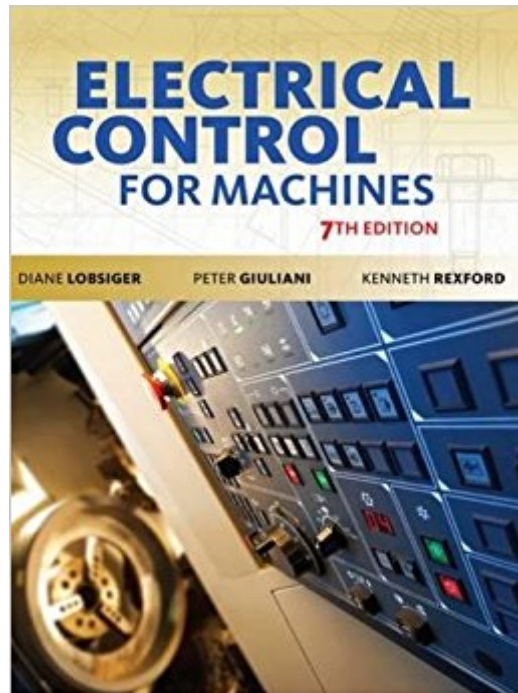




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Electrical Control For Machines



Synopsis

Reflecting the latest trends and practices from industry, the cutting-edge new ELECTRICAL CONTROLS FOR MACHINES, 7e delivers a thorough introduction to the range of technologies found in today's electrical machine controls. Completely up to date, circuit diagrams and the descriptions of the circuits illustrate a modern representation of the controls circuits. The text also offers expansive coverage of the power and control circuitry required to operate electrical machinery. While it discusses the trend away from relay control to PLC control, the text maintains solid coverage of relay circuits. Its emphasis on the critical importance of worker and equipment safety in industrial settings includes a detailed explanation of the risk assessment process and a safety relay circuit. In addition, the inclusion of international equipment specifications reflects the dramatic impact of globalization and integration of businesses on the way industries function.

Book Information

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Customer Reviews

Diane Lobsiger is an electrical instructor at Delta College in University Center, Michigan. She instructs students in the Skilled Trades-Electrician program, Wind Turbine Technology program, and Pre-Engineering program. In her prior work as a senior manufacturing controls engineer for 24 years, she gained a wealth of knowledge and extensive experience in the design, troubleshooting, specification writing, and approval of machine controls systems. Her expertise includes relay control systems, programmable logic controllers, human-machine interfaces, servo systems, adjustable frequency drives, and fluid power systems. She earned a Bachelor of Science in electrical

engineering from Auburn University and a Master of Science in electrical engineering from Michigan State University. She recently obtained her Secondary Teaching Certification in mathematics and physics from Saginaw Valley State University. In her free time, she can usually be found fishing at her cabin.

This book has 378 sides where 18 of them are glossary and index. The book is printed unnecessarily with so big font furthermore, easy ladder diagrams often use space of whole side. All the contents of the book would use no more than 160 sides if this book would be printed with an ordinary form as another textbooks. In my point of view author thinks customers are idiots and will not find out tricks that she/he used. Book has some mistakes also. F.exmpl on side 24 example 2 ,formula says $3 \times \text{line voltage}$, it should be the square root of $3 \times \text{line voltage}$. Almost 100\$ for this book is really too much, but book is generally ok.

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