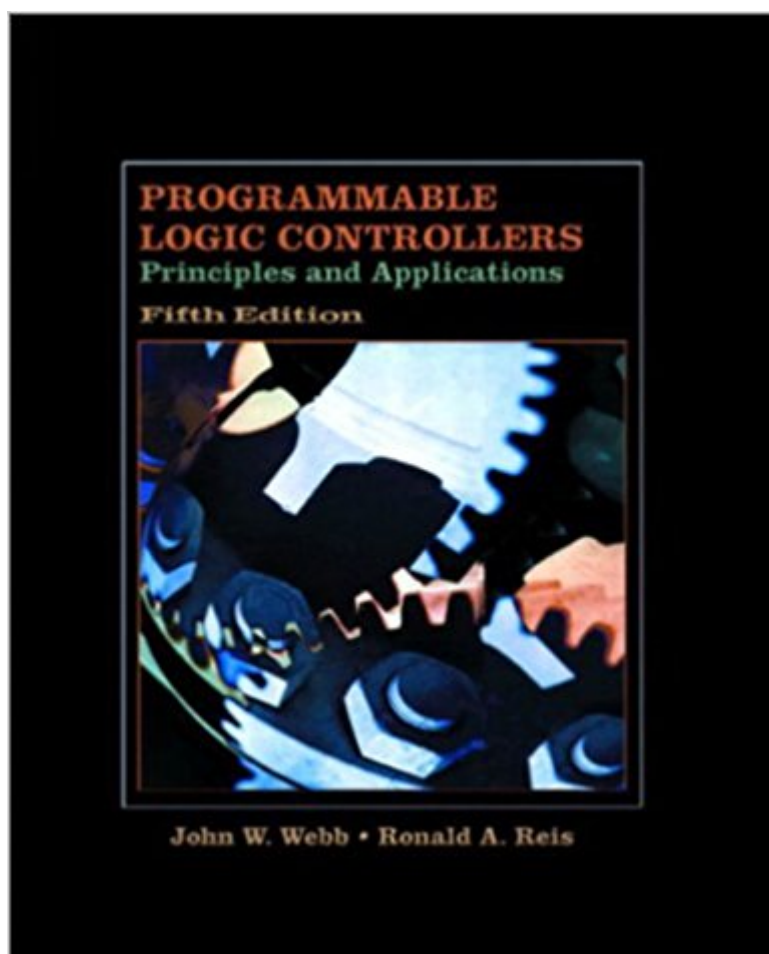




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Programmable Logic Controllers: Principles And Applications (5th Edition)



Synopsis

This practical and clearly written introduction provides both fundamental and cutting-edge coverage on programmable logic controllers; today a billion dollar industry. It combines comprehensive, accessible coverage with a wealth of industry examples that make intangible concepts come to life—offering users a broad-based foundation that will serve them well on the job. The volume examines every aspect of controller usage in an easy-to-understand, jargon-free narrative. Beginning with a basic layout the book goes right into programming techniques, it progresses through fundamental, intermediate, and advanced functions—and concludes with chapters on related topics. Applications are discussed for each PLC function, and vast arrays of examples and problems help users achieve an understanding of PLCs, and the experience needed to use them. For programmers and others working with PLCs.

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Customer Reviews

This practical introduction combines comprehensive, accessible coverage with a wealth of industry examples to offer students a broad-based foundation that will serve them well on the job. Every aspect of controller usage is covered in clear, jargon-free language, with an emphasis on applications. Coverage begins with basic layout and programming (students are actually programming by chapter 5!) progresses through fundamental, intermediate, and advanced functions... and concludes with chapters on related topics. Applications are discussed for each PLC function, and a vast array of examples and problems helps students achieve an understanding of

PLCs, and the experience needed to use them. --This text refers to an out of print or unavailable edition of this title.

This practical and clearly written introduction provides both fundamental and cutting-edge coverage on programmable logic controllers; today a billion dollar industry. It combines comprehensive, accessible coverage with a wealth of industry examples that make intangible concepts come to life—offering users a broad-based foundation that will serve them well on the job. The volume examines every aspect of controller usage in an easy-to-understand, jargon-free narrative. Beginning with a basic layout the book goes right into programming techniques, it progresses through fundamental, intermediate, and advanced functions—and concludes with chapters on related topics. Applications are discussed for each PLC function, and vast arrays of examples and problems help users achieve an understanding of PLCs, and the experience needed to use them. For programmers and others working with PLCs.

This is an interesting and informative book. The book seems to cover the topic well. Unfortunately, there is not enough worked out examples to really grasp the subject well. There are no answers to the many exercises that are listed at the end of the chapters. There is an instructor manual available from the author. Unfortunately, The instructor manual is not available to anyone except an instructor. The average technician that purchases this book to further their education on the subject will not have enough examples to learn much. I am an experienced electronic technician by trade. I am very familiar with PLC Controllers and hoped for more application examples. I was very disappointed since the book seemed comprehensive. Only the instructors will be able to learn much from this book. I really wanted that instructor manual to make the book useful. Sorry, the book is not worth it without exercise answers.

I have taught courses in Computer Integrated Manufacturing and CNC Programming, and wanted to pick up PLC Programming as well. To do so, I needed a book I could teach myself from. When I looked at what Prentice - Hall had to offer, the boatload of examples and end of chapter problems drew me to this text. Learning to program from this text was a struggle until CH. 6, where the authors compare PLC programming to Digital Logic Gates. The light suddenly turned on. If you have relay logic or digital logic experience, you can learn to program PLC's pretty easily. If you don't have that background, I believe you can still learn to program from the text. The authors have a clear voice and excellent examples. You'll just have to work harder at it, and the light may not come on

until you're deep into the book. The biggest hurdle seems to be learning to work with the ladder diagrams. That's just a matter of practice. But there's where my complaint comes with the book. I had expected that all of those end of chapter examples would give me lots of practice. What you don't get from this book are the answers unless you have the instructors manual (which unfortunately I didn't ask Prentice Hall for). Unless you're sitting in a classroom where you receive feedback from an instructor, think twice before buying this text. If they provide answers to every other exercise in the fifth edition, it would be a good text to teach yourself from.

I have used Webb three times as the text for my PLC course. Each time, the book provided the perfect complement to our Allen-Bradley PLC lab. The writing is clear and easy to understand. The examples are well-thought-out and provide valuable insight into the material. I have used two other PLC texts, both of which take a generic approach and try to cover EVERY BRAND of PLC on the market. In both cases, students found this approach overwhelming, unclear and confusing. I prefer a text like Webb that chooses one PLC to focus on and explores it thoroughly.

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