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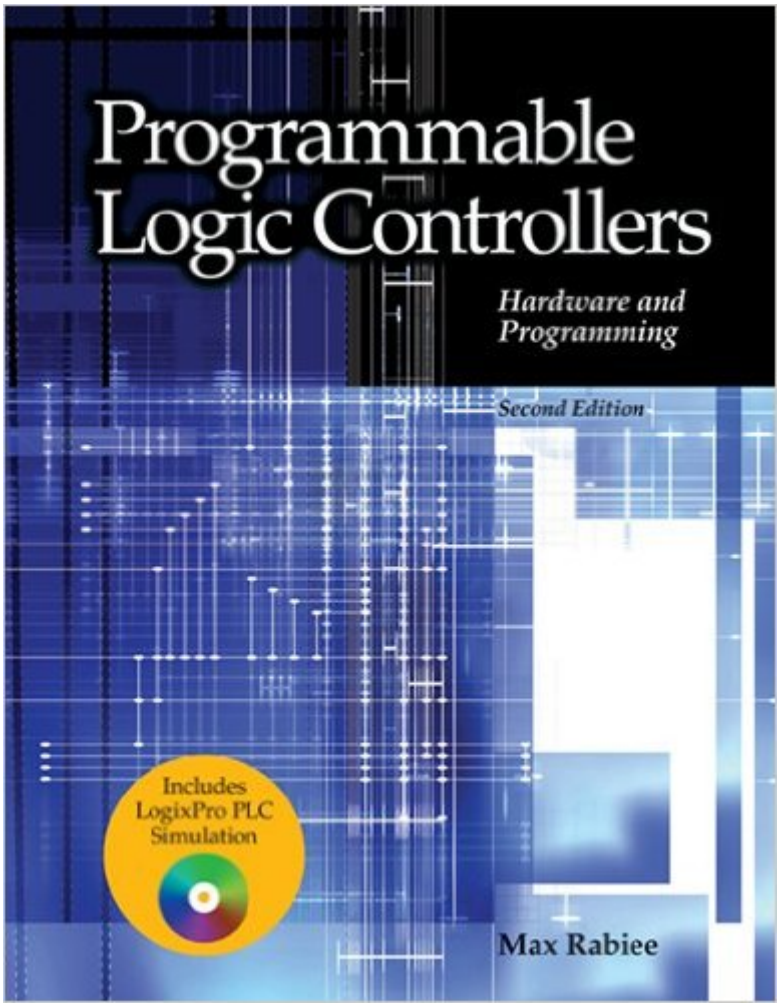
Programmable Logic Controllers Textbook W/ PLC Stimulation Software



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Synopsis

Programmable Logic Controllers emphasizes practical use of the PLC in process and industrial control systems. The textbook begins with the basics of what a PLC is and does, then guides students through the fundamentals of programming the device. Applications, testing procedures, and operational aspects of PLC equipment and systems are discussed. This text covers the most common programmable logic controller functions, providing practical examples based on the widely used Allen-Bradley Small Logic Controller (SLC 500) series of PLCs. Wiring and programming of a PLC are covered thoroughly, using numerous examples. A supplemental Laboratory Manual provides a wealth of hands-on activities that will help students practice and hone their PLC programming skills.Included in the textbook is a CD-ROM containing LogixPro simulation software. LogixPro is the ideal tool to facilitate student learning of the fundamentals of RSLogix ladder logic programming. The software allows students to practice and develop their programming skills when and where they want. LogixPro is not a replacement for RSLogix, nor is there support for file exchange or communication with actual Allen-Bradley products. The program, instead, provides a complete software-based training solution, eliminating the need for expensive PLC equipment.

Book Information

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Customer Reviews

I’m trying to teach a class with this textbook and the errors are more than a minor distraction. Figures with the state of certainrelays and switches are labeled incorrectly. I cringe at how students

will cope - although we are just starting the semester. And I agreewith other reviewers that there is too much material that is not essential to the topic - "fluff". It is a struggle using this text andI can't recommend it for anyone.

Trying to read this book cover to cover so I don't miss anything for my class, I have found several big errors in the text. And I brought the errors up to my professor and he agreed and apologized for the errors and told us to not pay attention to the errors. He is writing his own textbook which will hopefully hit the market soon. And speaking with other professionals in the PLC community, they all agreed that the book teaching us fractional binary is a complete waste of time because it's difficult and rarely, if ever, used in the real world.This book needs another edition.

this has it all and has been a great tool to use. certainly new information comes out but we use this in our industrial maintenance classes to teach how to use programmable logic controllers

Helps me understand PLC's better since I encounter them at work all the time. Great study guide and learning tool.

Author Max Rabiee presents the matter in very practical way for people work with AB plc .

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