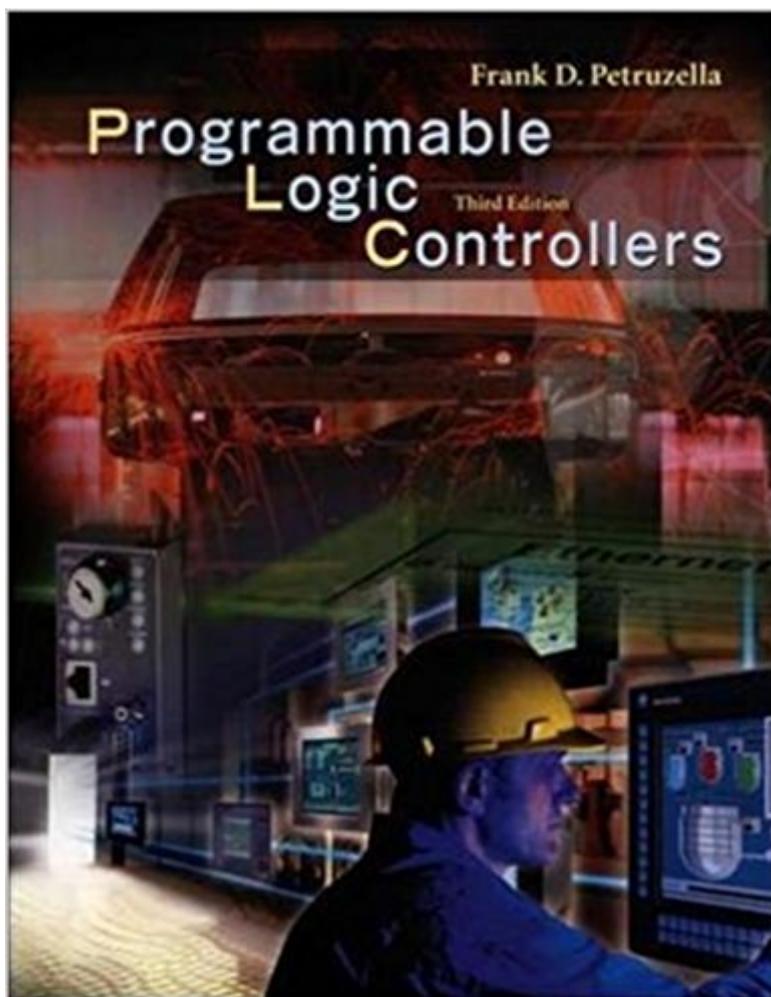The book was found

Programmable Logic Controllers, Third Edition

Synopsis

Now in four-color, this outstanding text for the first course in programmable logic controllers (PLCs) focuses on how PLCs work and gives students practical information about installing, programming, and maintaining PLC systems. It's not intended to replace manufacturer's or user's manuals, but rather complements and expands on the information contained in these materials. All topics are covered in small segments. Students systematically carry out a wide range of generic programming exercises and assignments. All of the information about PLCs has been updated.

Book Information

Hardcover: 468 pages

Publisher: McGraw-Hill; 3 edition (March 2, 2004)

Language: English

ISBN-10: 0078298520

ISBN-13: 978-0078298523

Product Dimensions: 8.2 x 1 x 11.3 inches

Shipping Weight: 2.8 pounds

Average Customer Review: 4.4 out of 5 stars See all reviews (100 customer reviews)

Best Sellers Rank: #44,249 in Books (See Top 100 in Books)   #5 in Books > Computers & Technology > Hardware & DIY > Microprocessors & System Design > Computer Design   #5 in Books > Engineering & Transportation > Engineering > Electrical & Electronics > Circuits > Logic   #10 in Books > Engineering & Transportation > Engineering > Electrical & Electronics > Circuits > Design

Customer Reviews

Clearly written, accurate and well illustrated, this high quality textbook is an excellent resource to teach yourself the fundamentals of PLCs. Mr. Petruzella has even added photographs and descriptions of the inner workings of commonly used I/O devices, which is especially helpful for novices. Based on Allen Bradley's SLC500 series and their RS LOGIX programming software, it covers enough ground to enable technicians to understand how they work, how to troubleshoot I/O problems, understand, modify and even originate programs found in typical industrial applications.Having moved from the power generation field--where large scale distributed control systems do the vast majority of control and PLCs handle packaged auxiliaries--to the manufacturing industry, I encountered I/O devices and motion control applications I wasn't familiar with. Mr. P's book filled in the gaps.It would have been nice if answers to at least the odd numbered review

questions had been included to help quickly test my understanding, but when in doubt, I go back to the text where the answers can always be found.I also purchased the LogixPro PLC simulator (Mr. P also wrote a lab exercise manual that comes with the simulator or you can buy the simulator by itself). It gives you the ability to write, test and debug programs using the RS LOGIX instruction set and programming interface--in fact it's very close to the real deal. I really could have used that when I first started programming PLCs because learning to program using a real PLC hooked up to lights and switches is too limiting (and prohibitively expensive for many of us). And I'd rather not test and debug my programs using live machinery if I can avoid it.

I had to buy the previous edition of this book for an Advanced PLC class that I took while in college and liked the book so much that I bought the newer version when it came available. I like the newer version because it covers ControlLogix 5000 programming and platform in the last chapter and appendix's where the previous version did not. However, I did not like that this book was only available in softcover because I used my old one out in the field and did not have to worry about destroying it because the rugged hardcover would hold up. All in all, this is an excellent book as a reference manual or for beginners trying to learn programming instructions and how PLC's work.

I did a comparison of The international edition that I ordered with the "domestic" version. Page for page the same. Printed on quality paper too with nice color graphics. It is paperback but at a quarter of the price of the hard cover US version. I don't know why we get screwed so bad on book prices.

Required text for 3 of my courses.Petruzella takes a great approach in Programmable Logic Controllers. The content is condensed for fast reading, but very clear. Highly recommended if new to PLCs.

Excellent book!! It starts with the basics and works its way on up. Each chapter starts with Chapter objectives, has lots of diagrams and photos, packed full of useful and practical information, is divided into easy to follow and understand sections, and ends with chapter review questions and problems. Has real world photos of actual equipment in use in industry.-Overview of PLC's-PLC hardware-Number systems and codes-Fundamentals of logic-Basics of PLC programming-Wiring diagrams, Ladder logic programs-Timers, counters, ect....Once again, Excellent book!!!

This is very good book to learn PLC.Very well organized.Contains a lot of examples of logic

diagrams.However, to fully understand it, you need to also understand the hardware. (relay, contactor, starter, ...)Without understanding it, those logic diagrams will be not meaningful to you.

Almost everything you need to be on your way to a much desired field. It explains everything from A to Z related to PLCs.

Excellent coverage of electrical circuits and how they relate to PLC's. This book explains everything you will need to know to jump into using PLC's in manufacturing, production, and industry. If this book doesn't work for you, none will. Very well organized. Great explanations for the experienced and newbie alike.

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