Fundamentals of Electrical Control (2nd Edition)

Clarence A. Phipps, Fairmont Press
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Clarence A. Phipps, Fairmont Press : Fundamentals of Electrical Control (2nd Edition) before purchasing it in order to gage whether or not it would be worth my time, and all praised Fundamentals of Electrical Control (2nd Edition):

1 of 1 people found the following review helpful. A Unique Resource for Demonstrating the Logical Progression in designing an electrical control circuit for use in industryBy Basden LecoMr Clarence Phipps has produced a unique book on the subject of Electrical Control aimed at the vocational technical trades area for ostensibly electricians, technicians. The style of writing, logical content and progression of introducing concepts ensures that the book can be

utilised by none electrical trades persons to gain an appreciation of the subject. Originally published in 1995 the book still is a worthy edition to a teacher or trainer involved in delivering the concepts of electical control systems to electrical tradespersons. The progression from the use of discrete hard wired components to the incoporation of program logic controllers as compiled by Mr Phipps, using the same intial scenario is excellently written, supllemented by appropiate sketches, component layouts, wiring diagrams and schematic diagrams.

From the Back Cover Use this practical "on-the-job" manual to guide you through the most difficult electrical control challenges. From the logic of design to startup, operation and maintenance, this reference covers all aspects of wiring, relay logic, programmable logic controllers, and a host of electrical control applications and challenges you'll encounter on the job. Beginning with the basic principles of electrical logic, the author guides you through each step of the design of a sequencing logic system, including developing the schematic diagram, making a bill of materials, and designing component wiring diagrams. You'll learn the fundamentals of programmable logic controllers (PLCs), including numbering systems, basic memory structure, system addressing, and the common instruction set. A new chapter on heat and enclosures includes information on the creation of heat in electronic devices, and how it can be dissipated. The presentation takes you step by step through solving problems that require bailing circuits, sorting systems, and counting with relays, including encoding and decoding. The contrast between digital and analog control systems is also fully examined. Case histories are included.