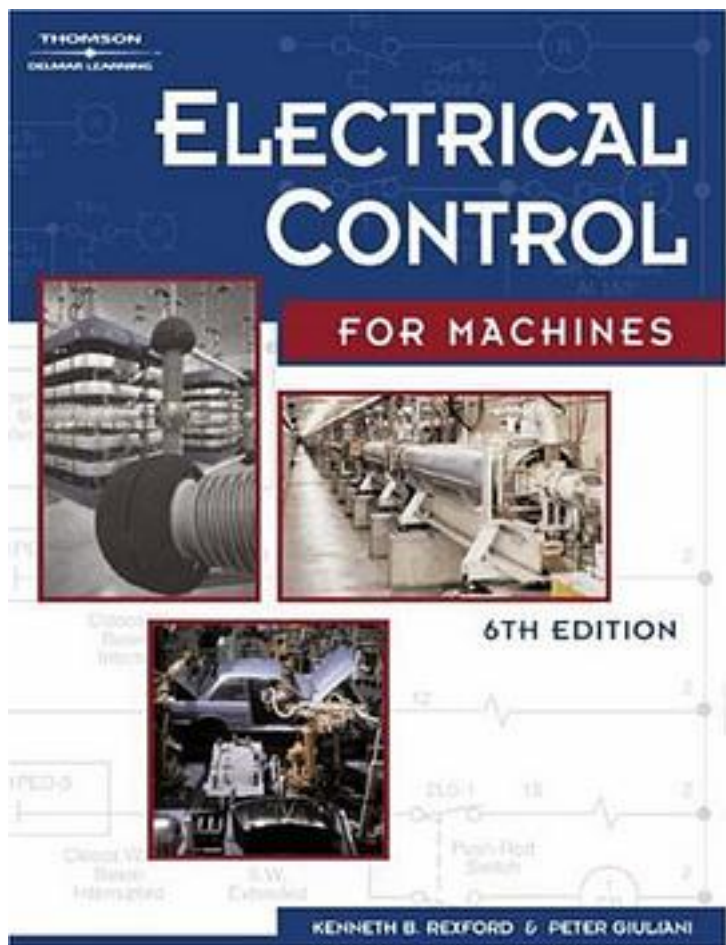


Electrical Control for Machines, 6E



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Now in its sixth edition, Electrical Control for Machines continues to provide an extraordinarily complete introduction to the range of technologies found in today's state-of-the-art industrial systems. By providing readers with a practical understanding

of the logic and safety conditions required for efficient control of a single machine or a complex system, the authors define the field of industrial electrical controls in a manner that reflects the changes occurring in today's manufacturing and process industries. Central to the book is the belief that programmable, expandable, reliable, and versatile manufacturing systems require a conceptual understanding at the system level as well as detailed knowledge at the equipment level. In-depth discussions of state-of-the-art process and machine control devices, circuits, and systems for all types of industries are included, along with thorough explanations of how electrical and electronic components function in typical motion, pressure, temperature, sequential, safety, and quality control systems. Ideal for industrial process engineers, maintenance technicians, and engineering technology students, this edition now features an introduction to the operation, configuration, and programming of PLCs as well as new coverage of the expanding use of networks within industrial processes. Knowledge of basic theories of electricity and electrical circuits is assumed, and an entire chapter is devoted to discussion of safety and safety considerations.

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