

1. Record Nr.	UNINA9910714036103321
Autore	Kassalow Everett M (Everett Malcolm)
Titolo	Health-benefit programs established through collective bargaining, 1945
Pubbl/distr/stampa	Washington, D.C. : , : United States Department of Labor, Bureau of Labor Statistics, , 1945
Descrizione fisica	1 online resource (iv, 19 pages)
Collana	Bulletin ; ; no. 841
Altri autori (Persone)	NelsonJean R
Soggetti	Employer-sponsored health insurance - United States Labor contract - United States Collective labor agreements - United States Collective labor agreements Employer-sponsored health insurance Labor contract United States
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	At head of title: United States Department of Labor, L.B. Schwellenbach, secretary. Bureau of Labor Statistics, Isador Lubin, commissioner (on leave). A.F. Hinrichs, acting commissioner. "This study was prepared by Everett M. Kassalow and Jean R. Nelson"--Page iv. "Reprinted from the Monthly Labor Review, August 1945"--Page 1.

2. Record Nr.	UNINA9910959110603321
Autore	Bolton W (William), <1933->
Titolo	Programmable logic controllers / / W. Bolton
Pubbl/distr/stampa	Oxford, : Newnes, c2009
ISBN	9781282258389 1282258389 9780080961859 0080961851
Edizione	[5th ed.]
Descrizione fisica	1 online resource (xii, 400 p.) : ill
Disciplina	629.895
Soggetti	Programmable controllers Logic circuits Programmable logic devices
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Previous ed.: Amsterdam; London: Newnes, 2006. Includes index.
Nota di contenuto	Front Cover -- Programmable Logic Controllers -- Copyright Page -- Contents -- Preface -- Prerequisite Knowledge Assumed -- Changes from the Fourth Edition -- Structure of the Book -- Acknowledgments -- Chapter 1 Programmable Logic Controllers -- 1.1. Controllers -- 1.2. Hardware -- 1.3. Internal Architecture -- 1.4. PLC Systems -- Summary -- Problems -- Lookup Tasks -- Chapter 2 Input/Output Devices -- 2.1. Input Devices -- 2.2. Output Devices -- 2.3. Examples of Applications -- Summary -- Problems -- Lookup Tasks -- Chapter 3 Digital Systems -- 3.1. The Binary System -- 3.2. Octal and Hexadecimal -- 3.3. Binary Coded Decimals -- 3.4. Numbers in the Binary, Octal, Hex, and BCD Systems -- 3.5. Binary Arithmetic -- 3.6. PLC Data -- 3.7. Combinational Logic Systems -- 3.8. Sequential Logic Systems -- Summary -- Problems -- Lookup Tasks -- Chapter 4 I/O Processing -- 4.1. Input/Output Units -- 4.2. Signal Conditioning -- 4.3. Remote Connections -- 4.4. Networks -- 4.5. Examples of Commercial Systems -- 4.6. Processing Inputs -- 4.7. I/O Addresses -- Summary -- Problems -- Lookup Tasks -- Chapter 5 Ladder and Functional Block Programming -- 5.1. Ladder Diagrams -- 5.2. Logic

Functions -- 5.3. Latching -- 5.4. Multiple Outputs -- 5.5. Entering Programs -- 5.6. Function Blocks -- 5.7. Program Examples -- Summary -- Problems -- Lookup Tasks -- Chapter 6 IL, SFC, and ST Programming Methods -- 6.1. Instruction Lists -- 6.2. Sequential Function Charts -- 6.3. Structured Text -- Summary -- Problems -- Chapter 7 Internal Relays -- 7.1. Internal Relays -- 7.2. Ladder Programs -- 7.3. Battery-Backed Relays -- 7.4. One-Shot Operation -- 7.5. Set and Reset -- 7.6. Master Control Relay -- Summary -- Problems -- Chapter 8 Jump and Call -- 8.1. Jump -- 8.2. Subroutines -- Summary -- Problems -- Lookup Tasks -- Chapter 9 Timers -- 9.1. Types of Timers. 9.2. On-Delay Timers -- 9.3. Off-Delay Timers -- 9.4. Pulse Timers -- 9.5. Retentive Timers -- 9.6. Programming Examples -- Summary -- Problems -- Lookup Tasks -- Chapter 10 Counters -- 10.1. Forms of Counter -- 10.2. Programming -- 10.3. Up- and Down-Counting -- 10.4. Timers with Counters -- 10.5. Sequencer -- Summary -- Problems -- Lookup Tasks -- Chapter 11 Shift Registers -- 11.1. Shift Registers -- 11.2. Ladder Programs -- Summary -- Problems -- Lookup Tasks -- Chapter 12 Data Handling -- 12.1. Registers and Bits -- 12.2. Data Handling -- 12.3. Arithmetic Functions -- 12.4. Closed Loop Control -- Summary -- Problems -- Lookup Tasks -- Chapter 13 Designing Systems -- 13.1. Program Development -- 13.2. Safe Systems -- 13.3. Commissioning -- 13.4. Fault Finding -- 13.5. System Documentation -- Summary -- Problems -- Lookup Tasks -- Chapter 14 Programs -- 14.1. Temperature Control -- 14.2. Valve Sequencing -- 14.3. Conveyor Belt Control -- 14.4. Control of a Process -- Problems -- Lookup Tasks -- Appendix: Symbols -- Ladder Programs -- Function Blocks -- Logic Gates -- Sequential Function Charts -- Instruction List (IEC 1131-3 Symbols) -- Structured Text -- Answers -- Index.

Sommario/riassunto

A programmable logic controllers (PLC) is a real-time system optimized for use in severe conditions such as high/low temperatures or an environment with excessive electrical noise. This control technology is designed to have multiple interfaces (I/Os) to connect and control multiple mechatronic devices such as sensors and actuators. Programmable Logic Controllers, Fifth Edition, continues to be a straight forward, easy-to-read book that presents the principles of PLCs while not tying itself to one vendor or another. Extensive examples and chapter ending problems utilize several popular PLCs currently on the market highlighting understanding of fundamentals that can be used no matter the specific technology. Ladder programming is highlighted throughout with detailed coverage of design characteristics, development of functional blocks, instruction lists, and structured text. Methods for fault diagnosis, testing and debugging are also discussed. This edition has been enhanced with new material on I/Os, logic, and protocols and networking. For the UK audience only: This book is fully aligned with BTEC Higher National requirements. *New material on combinational logic, sequential logic, I/Os, and protocols and networking *More worked examples throughout with more chapter-ending problems *As always, the book is vendor agnostic allowing for general concepts and fundamentals to be taught and applied to several controllers