



Building Automation System Integration with Open Protocols

By American Technical Publishers, Inc., 2009

- Obtain knowledge in building automation systems, such as HVAC, lighting, security systems, functions of sensors, actuators, and other control equipment used in commercial buildings
- Learn about electrical, plumbing, fire protection, security, access control, voice-data-video (VDV), and elevator systems control devices and applications
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Managing Indoor Air Quality

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By H.E. Burroughs, C.I.A.Q.P. & Shirley J. Hansen, Ph.D., 2008

- Gain a comprehensive approach to managing indoor air quality and mitigating indoor air quality problems
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- Contains expanded coverage of ASHRAE standards

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- Learn all aspects of HVAC control systems used in the industry specifically designed for HVAC and building maintenance technicians
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Technical Reference Books

Testing & Balancing HVAC Air & Water Systems

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- Gain all the information you will need to evaluate and balance the air and water sides of any HVAC system
- Contains information of pneumatic, electric, electronic, direct digital and proportional, integral and derivative control systems
- Learn every aspect of testing, adjusting and balancing, as well as all types of instruments required, and specific methods to adjust constant volume, single zone, dual duct, induction, and variable air volume systems

This book provides complete details for the full scope of system components, including fans, pumps, motors, drives and electricity, as well as for balancing devices and instrument usage as well as on testing and balancing clean rooms and HVAC system commissioning.

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HVAC Fundamentals

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- Clearly understand how HVAC systems operate by learning about the latest technology advances and terminology, as well as the full range of HVAC systems used in today's facilities
- Learn why one component or system may be chosen over another with respect to design, application, energy conservation, indoor air quality, and cost
- Fully examine heat flow fundamentals, heat flow calculations used in selecting equipment, determine system operating performance and costs, as well as fluid flow fundamentals and equations, basics of system testing and verification of system performance

This book separates out each of the major HVAC system components and controls for air, water, heating, ventilating and air conditioning, clearly illustrating the way each system, subsystem, control or component contributes to providing the desired indoor environment.

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By Ibrahim Dincer & Mehmet Kanoglu, 2010



- Learn to install and service pumps for nearly any application
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This book is a highly useful reference for HVAC engineers and technicians and those who work on domestic hot and cold-water services, gas supply, and steam services.

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- Learn procedures commonly practiced in the real-world industry and trade for maintenance management, energy efficiency, troubleshooting, and occupational health and safety
- Service electrical, electronic, refrigeration, boiler, HVAC, mechanical and fluid power systems
- Contains a glossary that defines over 840 technical terms used throughout the textbook

A CD-ROM is included that serves as a self-study aid to enhance the text content, it features Quick Quizzes®, Illustrated Glossary, Maintenance Forms, Media Clips, and Reference Material.

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Managers Guide Preventative Building Maintenance

By Ryan Cruzan, 2009

- Develop an effective preventive maintenance program for any facility
- Contains information about facility inspection and assessment, effective lubrication practices, commercial roofing repair, indoor air quality management, applicable government codes, standards and regulations, detailed preventive maintenance procedures, and maintenance scheduling
- Learn maintenance approaches for more than 100 types of equipment and building components, as well as the economic value of preventive maintenance, management and motivation of the preventive maintenance team, and setting up a computerized maintenance management system (CMMS)

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Industrial Process Control Systems

Second Edition

By Stephen W. Fardo and Dale R. Patrick, 2009

- Learn about manufacturing and how it deals with the transformation of materials into marketable products
- Gain knowledge in specific manufacturing operations such as: systems that respond to temperature, pressure, flow, level, and analytical procedures are commonly used in an industrial setting to manufacture a product
- Contains information on operating system, process control, pressure systems, thermal systems, level determining systems, flow process systems, analytical process systems, microprocessor systems, automated processes and robotic systems

This book covers the systems concept that will serve as the basic approach to understanding and effectively applying industrial process control.

Order Number: BK-0037

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Facility Managers Handbook

By Joseph F. Gustin, 2003

- Learn about the main issues of facility management such as HVAC, lighting, electrical, plumbing, space allocation, security and grounds maintenance
- Gain a multitude of tested ideas, procedures and examples for successfully and cost-effectively managing facility operations
- Contains a wealth of illustrations, tables and graphs

This book is written in a easily understood language, is reader-friendly, and provides a panoramic view of the process by isolating the key areas the facility manager must address, including real estate, space and change management, indoor air quality, emergency preparedness and response planning, communications systems, and regulatory mandates.

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- Learn the latest information on building automation systems, including control devices, signals, and logic

This comprehensive textbook includes information on plumbing, HVAC, and electrical systems.

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Electricity and Electronics Fundamentals

Second Edition

By Stephen W. Fardo & Dale R. Patrick, 2008



- Gain knowledge in direct current electronics, alternating current electricity, semiconductor devices, electronic circuits, digital electronics, computers and microprocessors, electronic communications, and electronic power control
- Learn key concepts that are discussed using a simplified approach that enhances learning
- Contains minimal use of mathematics and is discussed through applications and illustrations

This book is an easy-to-understand introductory text for those wishing to grasp the basic fundamentals of electricity and electronics.

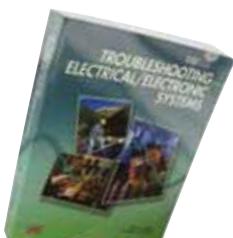
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ISBN: 0881736015, Pages: 302, Hardback

Troubleshooting Electrical/Electronic Systems

Third Edition

By Glen A. Mazur & Thomas E. Proctor, 2010



- Learn about troubleshooting electrical and electronic systems designed for use in the electrical industry, electrical training programs
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- Contains information on alternative energy solutions, NFPA 70E® requirements, and motor nameplate interpretation

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Electric Motor Drive Installation and Troubleshooting

By Glen A. Mazur & William J. Weindorf, 2003



- Learn electric motor drive installation and troubleshooting, including drive theory and applications, installation, testing, and troubleshooting procedures
- Obtain knowledge on drive programming and on the selection of motor drives for specific applications
- Contains questions and expanded paper-and-pencil activities at the end of each chapter providing solid assessment

A CD-ROM is included that serves as a self-study aid to enhance the text content, it features Quick Quizzes®, Illustrated Glossary, Media Clips, and a link to ATPeResources.com.

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ISBN: 9780826912508, Pages: 503, Paperback

Variable Speed Drive Fundamentals

Third Edition

By Clarence A. Phipps, 1999



- Gain a comprehensive overview of starting controls and their application to various types of induction motors of the advantages and disadvantages of each type of control
- Contains detailed evaluation of the most common versions of variable frequency drives with example application scenarios for AC motors
- Learn current trends in addressing harmonic problems created by VFDs, the use of new IGBT technology, as well as sizing and applying of VFDs, controlling enclosure heat, and energy saving opportunities

This book is written in easily understood language and provides an authoritative, yet practical guide for the engineer or technician involved in specifying, applying, maintaining or operating variable frequency drives (VFDs), including full coverage of both AC and DC motors and controls.

Order Number: BK-0032

ISBN: 0881733105, Pages: 780, Hardback

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Technical Reference Books



Compressor Handbook Principles and Practices

By Tony Giampaolo, 2010

- Explains updated maintenance and construction standards and provides details on motors, controllers, and circuits
- Examines electronic components and communications wiring and offers guidelines for dealing with hazardous location wiring
- Covers generators, mechanical power transmission, and electrical power distribution

This book examines the full spectrum of compressor types, how they operate, how to control them, and how operating conditions can significantly impact their performance.

Order Number: BK-0033

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Low Pressure Boilers

Third Edition

By Frederick M. Steingress & Daryl R. Walker, 2009

- Learn thoroughly covered aspects of low pressure boilers, featuring ASME Code requirements, smoke-control procedures, boiler fittings, feed water, steam, combustion, boiler operations, and water treatment
- Prepare for boiler licensing with preparation that includes sample questions with provided answers
- Contains information on boiler systems and related equipment that are depicted in full-color illustrations complemented by concise text and is a must for operators of boiler systems used in hotels, apartment buildings, schools, and other large institutions

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High Pressure Boilers

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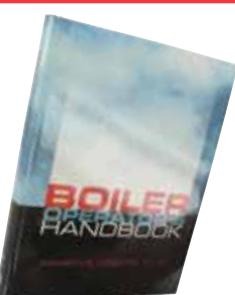
By Frederick M. Steingress, Harold J. Frost & Daryl R. Walker, 2010

- Obtain the knowledge and latest information on safe and efficient operation of high pressure boilers and related equipment such as steam boiler operations, fittings, boiler operation safety, combustion and computer-assisted combustion controls, boiler water treatment, licensing, and a comprehensive illustrated glossary
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Boiler Operator's Handbook

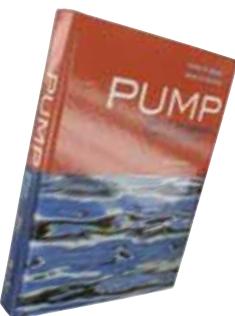
By Ken Heselton, P.E., C.E.M., 2005

- Learn how to lower plant operating costs, as well as how to operate the plant of all types and sizes more wisely
- Gain knowledge in clear terms of how to set effective priorities to assure optimum plant operation, including safety, continuity of operation, damage prevention, managing environmental impact, training replacement plant operators, logging and preserving historical data, and operating the plant economically
- Use as an important reference to reduce a facility's operating expense

This book was written specifically for boiler plant operators and supervisors.

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Pump User's Handbook Life Extension

Third Edition

By Heinz P. Bloch & Allan R. Budris, 2010

- Learn about straight-pipe requirements upstream of pump suction nozzles, details on temporary suction strainers, control strategies, detailed explanations and fully illustrated coverage of all API seal plans in use today, and case studies in mechanical seal upgrading
- Gain knowledge in modern canned motor pumps and recessed impeller pumps with advantageous axial-spiral discharge volutes and energy-efficient pumps
- Contains details on combining pump maintenance with systematic upgrading

This book is aimed at operating technicians, maintenance professionals, project engineers, reliability engineers and managers, it is intended for every job function that comes in contact with process pumps, with focus on how you can achieve consistently superior run lengths, low maintenance expenditures, and unexcelled safety and reliability in all of your pump applications.

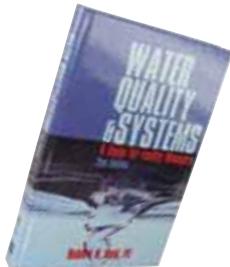
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Technical Reference Books



Water Quality & Systems

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- Contains specific data on treatment methods as applied in the field

This book is essential for wastewater engineers, industrial managers, hydrologists, soil experts, government officials, and environmental lawyers who want to keep abreast of the latest developments in this still challenging field.

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By Eric A. Woodroof, Ph.D., 2009

- Install and repair thermostats, humidistats, automatic controls, and oil or gas burner controls
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- Deal with solid fuels and understand coal firing methods, review pipes, pipe fittings, piping details, valve installation, and duct systems

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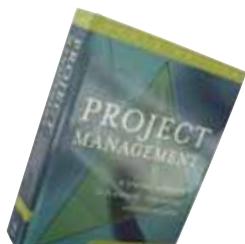
By Charles Kibert, 2007

- Learn the latest developments in the green building movement including coverage of LEED® 2009 and Sustainable Construction.
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- Contains information about high-performance green building design, building assessment, the building process, and ecological design

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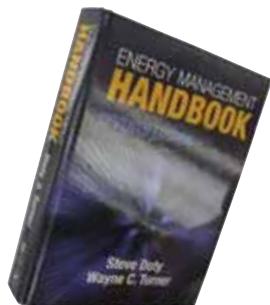
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Technical Reference Books



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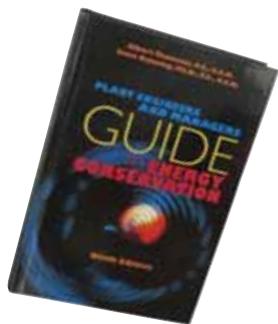
By Steve Doty and Wayne C. Turner, 2009

- Learn about waste heat recovery, HVAC systems, energy management and control systems, energy systems maintenance, alternative energy, indoor air quality and codes, standards and legislation
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- Contains information on personal protective equipment based on National Fire Protection Association standard NFPA 70E®, Standard for Electrical Safety in the Workplace

This book features photographs that depict applications typically found in the field.

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