



# **ELECTRICAL CONSTRUCTION AND MAINTENANCE**

## **Resource List**

**July 2009**

**ELECTRICAL CONSTRUCTION AND MAINTENANCE**  
**CGTC Library Resources**  
**July 2009**

**Print Books:**

AC/DC Principles / P. Shultz.  
TK 7816 .S458 2007

Accident/Incident Prevention Techniques / C. Reese.  
T 55 .R433 2001

Advanced Wiring / Time-Life Books.  
TK 3285 .A38 1998

Alternating Current Fundamentals / S. Herman.  
TK 1141 .D83 2007

American Electricians' Handbook / T. Croft.  
TK 151 .C8 2009

Basic Electricity / V. Valkenburgh.  
QC 523 .V33 1992

Basic Industrial Electricity : A Training and Maintenance Manual / K. G. Oliver.  
TK 146 .O395 1990

Basic Wiring / Time-Life Books.  
TK 9901 .B38 1994

Basic Wiring & Electrical Repairs.  
TK 9901 .B39 1990

Blueprint Reading for Electricians.  
TK 3205 .B64 2008

Code Check Electrical : An Illustrated Guide to Wiring a Safe House / R. Kardon.  
TK 3271 .K37 2005

The Complete Guide to Home Wiring : Including Information on Home Electronics &  
Wireless Technology.  
TK 3285 .C68 2005

Conduit Bending and Fabrication.  
TK 3261 .C53 2007

Construction Safety Handbook : A Practical Guide to OSHA Compliance and Injury  
Prevention / M. M. Moran.  
TH 443 .C683 2003

Delmar's Standard Textbook of Electricity / S. Herman.  
QC 522 .H47 2004

Design of Mechanical and Electrical Systems in Buildings / J. Trost.  
TH 6031 .T76 2004

Electric Circuits / J. Nilsson.  
TK 454 .N54 1986

Electric Machinery Fundamentals / S. Chapman.  
TK 2000 .C46 2005

Electric Motor Control / W. Alerich.  
TK 2851 .A48 2007

Electric Motor Drive : Installation and Troubleshooting / G. Mazur.  
TK 2851 .M39 2008

Electric Motors and Motor Controls / J. Keljik.  
TK 2851 .K444 2007

Electric Wiring : Domestic / B. Scaddan.  
TK 3285 .S25 2003

Electrical Basics / R. Peters.  
TK 3285 .P48 2000

Electrical Construction Equipment Directory.  
Ref TK 455 .E44 2004

Electrical Hazards and Accidents : Their Cause and Prevention / E. Greenwald.  
TK 152 .E49 1991

Electrical Motor Controls / G. Rockis.  
TK 2851 .R63 2009

Electrical Principles and Practices / G. Mazur.  
TK 146 .M39 2007

Electrical Safety Handbook / J. Cadick.  
TK 152 .C22 2000

Electrical Studies for Trades / S. Herman.  
TK 452 .H47 2002

Electrical Wire Handbook / J. Gillett.  
TK 3301 .E44 1983

Electrical Wiring and Repair : A Guide to Improving and Maintaining Residential  
Electrical Systems / M. Clifford.  
TK 3285 .C58 1991

Electrical Wiring Commercial / R. Mullin.  
TK 3284 .M85 2008

Electrical Wiring for the Home / J. Markell.  
TK 9901 .M29 1991

Electrical Wiring Industrial / R. Smith.  
TK 3283 .S63 2008

Electrical Wiring Residential / R. Mullin.  
TK 3285 .M84 2008

Electrician and Electrician's Helper / R. Miller.  
TK 169 .E44 1996

Electrician's Instant Answers / D. Tuck.  
TK 3205 .T83 2003

Electrician's Pocket Manual / P. Rosenberg.  
TK 151 .R7519 2003

Electrician's Technical Reference : Motor Controls / D. Carpenter.  
TK 2511 .C36 2000

Electricity / H. Gerrish.  
QC 523 .G44 2004

Electricity 1 : Devices, Circuits, and Materials / T. Kubala.  
TK 146 .K8 2009

Electricity 2 : Devices, Circuits, and Materials / T. Kubala.  
TK 146 .K8 2009

Electricity 3 : Power Generation and Delivery / J. Keljik.  
TK 146 .K8 2009

Electricity 4 : AC/DC Motors, Controls and Maintenance / J. Keljik.  
TK 146 .K8 2009

Electricity and Electronics / H. Gerrish.  
TK 146 .G44 2009

Electricity and Electronics : A Survey / D. Patrick.  
TK 146 .P34 1999

Electricity for the Trades / F. Petruzella.  
TK 146 .P4437 2006

Electricity : Fundamental Concepts and Applications / T. Maloney.  
TK 146 .M357 1992

Electricity : Principles & Applications / R. Fowler.  
QC 523 .F75 2008

Electronic Troubleshooting / D. Tomal.  
TK 7870.2 .T66 2004

Grob's Basic Electronics : Fundamentals of DC and AC Circuits / M. Schultz.  
TK 7816 .S356 2007

Handbook of Electrical Design Details / N. Sclater.  
TK 425 .S35 2003

Handbook of Electrical Installation Practice / G. Stokes.  
TK 3271 .H28 2003

High-Tech Electrical Installation Techniques / P. Rosenberg.  
TK 3284 .R67 1992

Home Wiring From Start to Finish / R. Wood.  
TK 3285 .W67 1993

House Wiring / R. Palmquist.  
TK 3285 .P34 1991

House Wiring Simplified : Tells and Shows You How / F. Mix.  
TK 3285 .M57 1996

Industrial Control Wiring Guide / R. Mercer.  
TK 3283 M47 2001

Industrial Electrical Troubleshooting / L. Lundquist.  
TK 2000 .L86 2000

Industrial Electrical Wiring : Design and Application / J. Earl.  
TK 3283 .E19 1987

Industrial Electricity / M. Brumbach.  
TK 146 .B83 2005

Industrial Electricity and Motor Controls / R. Miller.  
TK 2000 .M54 2008

Industrial Electronics : Applications for Programmable Controllers, Instrumentation and Process Control, and Electrical Machines and Motor Controls / T. Kissell.  
TK 7881 .K58 2003

Industrial Electronics : Devices and Systems / D. Patrick.  
TK 7881 .P38 2000

Installation and Classification of Burglar and Holdup Alarm Systems / Underwriters Laboratories, Inc.  
Ref TH 9739 .I57 1999

Introduction to Industrial Electrical Maintenance / R. Barnett  
TK 454 .B35 2000

Introductory DC/AC Circuits / N. Cook.  
TK 7816 .C65 2005

Journeyman Electrician's Review / R. Loyd.  
TK 169 .L69 1996

LAN Wiring / J. Trulove.  
TK 5105.7 .T78 2006

The Lineman's and Cableman's Handbook / T. Shoemaker.  
TK 3221 .K83 2007

Marks' Standard Handbook for Mechanical Engineers /  
TJ 151 .S82 2007

Mathematics for Electricity and Electronics / A. Kramer.  
TK 153 .K725 2006

Means Electrical Cost Data.  
Ref TK 435 .M42 2006

Means Estimating Handbook.  
TH 435 .M42 2003

Means Facilities Maintenance & Repair Cost Data.  
TH 3301 .M35 2008

The Measurement, Instrumentation, and Sensors Handbook / J. Webster.  
QC 39 .M393 1999

Mechanical and Electrical Systems in Buildings / R. Janis.  
TH 6010 .T36 2009

Modern Control Technology : Components and Systems / C. Kilian.  
TJ 213 .K516 2000

Modern Residential Wiring / H. Holzman.  
TK 3285 .H65 2002

National Electrical Code : 2008.  
Ref TK 260 .N45 2008

National Electrical Code Handbook.  
Ref TK 260 .N47 2008

NFPA's Residential Wiring : A Practical Guide / H. Stauffer.  
TK 3285 .S7225 2003

NTC Blue Book : Low Voltage Systems Design & Installation / B. McLane.  
TH 9739 .M25 2005

Popular Mechanics Home Wiring / A. Jackson.  
TK 3285 .J33 2006

Practical Electrical Wiring : Residential, Farm, Commercial, and Industrial Residential /  
H. Richter.  
TK 3271 .R48 2008

Practical Electricity / N. Cook.  
TK 146 .C625 1997

Practical Problems in Mathematics for Electricians / C. Garrard.  
TK 153 .G35 1987

Residential Construction Academy. House wiring / G. Fletcher.  
TK 3285 .F58 2008

Residential Network Cabling / BICSI.  
Ref TK 5103.12 .R47 2002

Residential Wiring / H. Sorge.  
TK 3285 .S67 2003

RSMeans Electrical Estimating Methods /  
TK 435 .M428 2003

Schaum's Outline of Basic Electricity / M. Gussow.  
TK 146 .G974 2007

Schematic Wiring : A Step-by-Step Guide / S. Aglow.  
TK 452 .A33 1991

Smart House Wiring / H. Stauffer.  
TK 3285 .S73 1993

Stanley Complete Wiring /  
TK 3271 .S74 2003

TAB Electronics Guide to Understanding Electricity and Electronics / G. Slone.  
TK 7816 .S57 2000

Teach Yourself Electricity and Electronics / S. Gibilisco.  
TK 7819 .G38 2006

Ultimate Guide to Wiring : Complete Home Projects / F. Donegan.  
TK 3285 .U58 2007

Understanding Electricity and Electronics : Concepts, Experiments, and  
Troubleshooting / D. Patrick.  
TK 7816 .P38 1989

Wiring : Complete Projects for the Home / by the editors of Creative Homeowner.  
TK 3285 .W558 2004

Wiring : Step-by-Step Projects / F. Donegan.  
TK 3285 .W754 2004

Wiring Systems and Fault Finding for Installation Electricians / B. Scaddan.  
TK 3271 .S35 2003

**ELECTRICAL CONSTRUCTION AND MAINTENANCE**  
CGTC Library Resources  
July 2009

**Print Periodical Subscriptions:**

**[Cabling Installation & Maintenance](#)**

ISSN 1073-3108

**[EC&M : Electrical Construction & Maintenance](#)**

ISSN 1082-295X

**[Electrical Apparatus](#)**

ISSN 0190-1370

**[IEEE Spectrum \(Institute of Electrical & Electronics Engineers\)](#)**

ISSN 0018-9235

**[Industry Week](#)**

ISSN 0039-0895

**ELECTRICAL CONSTRUCTION AND MAINTENANCE**  
**CGTC Library Resources**  
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**Online Periodical Subscriptions via [GALILEO](#):**

<u>Journal Title</u>	<u>GALILEO Database</u>
<a href="#"><u>Cabling Installation &amp; Maintenance</u></a> ISSN 1073-3108	EBSCOhost MasterFILE Premier
<a href="#"><u>Circuits Assembly</u></a> ISSN 1054-0407	EBSCOhost Business Source Complete
<a href="#"><u>Electric Light and Power</u></a> ISSN 0013-4120	ProQuest ABI Inform Complete
<a href="#"><u>Electrical Apparatus</u></a> ISSN 0190-1370	ProQuest ABI Inform Complete
<a href="#"><u>Electrical Contracting Products</u></a> ISSN 1552-9312	ProQuest ABI Inform Complete
<a href="#"><u>Electrical Construction and Maintenance</u></a> ISSN 0013-4260	EBSCOhost Advanced Placement Source
<a href="#"><u>Electronics Weekly</u></a> ISSN 0013-5224	ProQuest ABI Inform Complete
<a href="#"><u>Engineered Systems</u></a> ISSN 0891-9976	EBSCOhost Academic Search Complete
<a href="#"><u>Industrial Safety &amp; Hygiene News</u></a> ISSN 8755-2566	EBSCOhost Business Source Complete
<a href="#"><u>Industry Week</u></a> ISSN 0039-0895	EBSCOhost Academic Search Complete ProQuest ABI Inform Complete
<a href="#"><u>Penton's Controls &amp; Systems</u></a> ISSN 1061-0235	ProQuest Research Library
<a href="#"><u>Solid State Technology</u></a> ISSN 0038-111X	EBSCOhost MasterFILE Premier

**ELECTRICAL CONSTRUCTION AND MAINTENANCE**  
**CGTC Library Resources**  
**July 2009**

**Electrical Books (eBooks) via [NetLibrary](#):**

Audel Electrical Course for Apprentices and Journeymen / P. Rosenberg.  
Indianapolis, IN John Wiley & Sons, Inc. (US), 2004.

Audel House Wiring / P. Rosenberg.  
New York: John Wiley & Sons, Inc. (US), 2004.

Cabling : The Complete Guide to Network Wiring / D. Barnett.  
San Francisco : Sybex Books, 2004.

Career As An Electrician and Electrical Contractor  
Chicago Institute for Career Research, 2005.

Careers As An Electrician / E. Lytle.  
New York Rosen Publishing Group, 1993.

Distributed Power Generation : Planning and Evaluation / H. Willis.  
New York Marcel Dekker, Inc., 2000.

Draw the Lightning Down : Benjamin Franklin and Electrical Technology in the Age of  
Enlightenment / M. Schiffer.  
Berkeley University of California Press, 2003.

Electric Systems, Dynamics, and Stability With Artificial Intelligence Applications /  
New York Marcel Dekker, Inc., 2000.

Electrical Engineer's Portable Handbook / R. Hickey.  
New York McGraw-Hill Professional, 2004.

Electrical Inspection Notes : Inspecting Commercial, Industrial, and Residential  
Construction / G. Taylor.  
New York McGraw-Hill Professional, 2005.

Electrical Power Equipment Maintenance and Testing / P. Gill.  
New York Marcel Dekker, Inc., 1998.

Electrical Systems : A Guide for Facility Managers / M. Qayoumi.  
New York The Fairmont Press, 1996.

Electrical Transformers and Power Equipment / A. Pansini.  
Lilburn, Ga. : Upper Saddle River, NJ The Fairmont Press, 1999.

Electrician's Instant Answers / D. Tuck, David.  
New York McGraw-Hill Professional, 2003.

Electricity Demystified / S. Gibilisco.  
New York McGraw-Hill Professional, 2005.

Electricity in Economic Growth : A Report /  
Washington, D.C. National Academy Press, 1986.

Electricity Requirements for a Digital Society / W. Baer.  
Santa Monica, CA RAND, 2002.

Essentials of Electronic Circuitry: Analysis and Design / A. Sistino.  
New York Marcel Dekker, Inc., 1996.

Fundamentals of Electrical Control / C. Phipps.  
Lilburn, Ga. The Fairmont Press, 1999.

Fundamentals of Industrial Instrumentation and Process Control / W. Dunn.  
New York : McGraw-Hill Professional, 2005.

Grounding and Shielding Techniques / R. Morrison.  
New York John Wiley & Sons, Inc. (US), 1998.

Guide to Electric Power Generation / A. Pansini.  
Lilburn, GA The Fairmont Press, 2002.

Guide to Electrical Power Distribution Systems / A. Pansini.  
New York The Fairmont Press, 2005.

High-voltage Engineering : Theory and Practice / M. Abdel-Salam.  
New York, N.Y. Marcel Dekker, Inc., 2000.

Janice VanCleave's Electricity : Mind-Boggling Experiments You Can Turn Into Science  
Fair Projects /  
New York John Wiley & Sons, Inc. (US), 1994.

LAN Wiring / J. Truelove.  
New York : McGraw-Hill Professional, 2006.

Making Competition Work in Electricity / S. Hunt.  
New York John Wiley & Sons, Inc. (US), 2002.

McGraw-Hill's National Electrical Code Handbook / B. McPartland.  
New York : McGraw-Hill Professional, 2005.

Piping Systems & Pipeline: ASME Code Simplified / J. Ellenberger.  
New York : McGraw-Hill Professional, 2005.

Power Quality Solutions : Case Studies for Troubleshooters / G. Porter.  
Lilburn, Ga. The Fairmont Press, 1999.

Practical Electricity / P. Rosenberg.  
Indianapolis, IN John Wiley & Sons, Inc. (US), 2004.

Practical Grounding, Bonding, Shielding and Surge Protection / G. Vijayaraghavan.  
Amsterdam, London Elsevier, 2004.

Practical Troubleshooting of Electrical Equipment and Control Circuits / M. Brown.  
Amsterdam, Boston Elsevier, 2005.

Renewable and Efficient Electric Power Systems / G. Masters.  
Hoboken, NJ John Wiley & Sons, Inc. (US), 2004.

Schaum's Outline of Theory and Problems of Electric Circuits / M. Nahvi.  
New York McGraw-Hill Professional, 2003.

Teach Yourself Electricity and Electronics / S. Gibilisco.  
New York McGraw-Hill Professional, 2006.

Understanding Electric Utilities and De-regulation / L. Philipson.  
New York Marcel Dekker, Inc., 1998.

The Wheeling and Transmission Manual / L. Weiss.  
Lilburn, GA : Upper Saddle River, NJ The Fairmont Press, 1999.

Zap! Experiments in Electrical Currents and Fields / J. Pine.  
Sudbury, Mass. Jones & Bartlett Publishers, Inc., 1996.

**ELECTRICAL CONSTRUCTION AND MAINTENANCE**  
**CGTC Library Resources**  
**July 2009**

**Video/DVD Resources:**

**Delmar Electrical Wiring Residential Series:**

- Tape 1 : Introduction to Electrical Installation
- Tape 2 : Planning for Circuit Installation
- Tape 3 : Ground Fault Circuit Interrupters
- Tape 4 : Lighting by the Room
- Tape 5 : Special Circuits
- Tape 6 : Special Purpose Outlets
- Tape 7 : Miscellaneous and Custom Installations
- Tape 8 : Service Entrances

Electrical Safety

Electrical Safety : Basic Principles (DVD)

**Shopware Electricity and Electronics Series:**

1. Electrical Principles (DVD)
2. Electrical Circuits: Ohm's Law (DVD)
3. Electrical Components Part I: Resistors, Batteries, and Switches (DVD)
4. Electrical Components Part II: Capacitors, Fuses, Flashers, and Coils (DVD)
5. Electrical Components Part III: Transformers, Relays, and Motors (DVD)
6. Electronic Components Part I: Semiconductors, Transistors, and Diodes (DVD)
7. Electronic Components Part II: Operation – Transistors and Diodes (DVD)
8. Electronic Components Part III: Thyristors, Piezo Crystals, Solar Cells & Fiber Optics
9. Electrical Troubleshooting (DVD)
10. Electronic Circuit Repair (DVD)

**Bergwall Series:**

1. Basic Math for Electronics : Powers of Ten and Metric Prefixes
  2. Basic Math for Electronics : Working With Ohm's Law
  3. Basic Math for Electronics : Series Circuits and Ohm's Law
  4. Basic Math for Electronics : Parallel Circuits and Ohm's Law
- 
1. Understanding Digital Electronics : AND Gates
  2. Understanding Digital Electronics : OR Gates / NOT Gates
  3. Understanding Digital Electronics : NAND Gates / NOR Gates
  4. Understanding Digital Electronics : XOR Gates / XNOR Gates

**ELECTRICAL CONSTRUCTION AND MAINTENANCE**  
**CGTC Library Resources**  
**July 2009**

**General Internet Web Resources:**

Building Industry Consulting Service International (BICSI)  
[www.bicsi.org](http://www.bicsi.org)

Custom Electronic Design and Installation Association  
[www.cedia.net](http://www.cedia.net)

Electrical Contractors Magazine  
[www.ecmag.com](http://www.ecmag.com)

Electrical Occupations Career Guide  
[www.khake.com/page18.html](http://www.khake.com/page18.html)

Greater Atlanta Electrical League  
[www.gael-inc.org](http://www.gael-inc.org)

Illuminating Engineering Society of North America  
[www.iesna.org](http://www.iesna.org)

Independent Electrical Contractors  
[www.ieci.org](http://www.ieci.org)

Independent Electrical Contractors – Atlanta and Georgia Chapters  
[www.iecatlanta.com](http://www.iecatlanta.com)

Institute of Electrical and Electronic Engineers (IEEE)  
[www.ieee.org](http://www.ieee.org)

International Association of Electrical Inspectors (IAEI)  
[www.iaei.org](http://www.iaei.org)

International Brotherhood of Electrical Workers (IBEW)  
[www.ibew.org](http://www.ibew.org)

International Brotherhood of Electrical Workers – Local Atlanta Chapter  
<http://ibew613.org>

International Safety Equipment Association  
[www.safetysiteequipment.org](http://www.safetysiteequipment.org)

National Association of Electrical Distributors (NAED)

[www.naed.org](http://www.naed.org)

National Electrical Code : NFPA 70

<http://www.nfpa.org/aboutthecodes/AboutTheCodes.asp?DocNum=70>

National Electrical Contractors Association

[www.necanet.org](http://www.necanet.org)

National Electrical Manufacturers Association (NEMA)

[www.nema.org](http://www.nema.org)

National Electrical Manufacturers Representatives Association (NEMRA)

[www.nemra.org](http://www.nemra.org)

National Fire Protection Association (NFPA)

[www.nfpa.org](http://www.nfpa.org)

National Joint Apprenticeship Training Committee (NJATC)

[www.njatc.org](http://www.njatc.org)

National Systems Contractors Association (NSCA)

[www.nasca.org](http://www.nasca.org)

National Utility Contractors Association (NUCA)

[www.nuca.com](http://www.nuca.com)

Occupational Safety and Health Administration (OSHA)

[www.osha.gov](http://www.osha.gov)

Power and Communication Contractors Association

[www.pccaweb.org](http://www.pccaweb.org)

Wire Association International

[www.wirenet.org](http://www.wirenet.org)

**ELECTRICAL CONSTRUCTION AND MAINTENANCE**  
**CGTC Library Resources**  
**July 2009**

**Full Text Databases Online via GALILEO :**  
Part of the Database Offerings in [GALILEO](#), Georgia's Virtual Library

**EBSCOhost full-text journal databases:**

[Academic Search Complete](#)  
[Advanced Placement Source](#)  
[Business Source Complete](#)  
[MasterFILE Premier](#)  
[Science and Technology Collection](#)  
[Vocational and Career Collection](#)

**LexisNexis Academic / Business**

**ProQuest full-text journal databases:**

[ABI/Inform Complete \(American Business Index\)](#)  
[Career & Technical Education](#)  
[Research Library](#)

FOR ASSISTANCE accessing any online database, eBook, online journal, or other resource please contact the CGTC Library at: [library@centralgatech.edu](mailto:library@centralgatech.edu).

The CGTC Student Library Handbook provides an overview and step-by-step instruction for the EBSCOhost, ProQuest, and NetLibrary databases at:  
[http://www.centralgatech.edu/library/student\\_library\\_handbook.pdf](http://www.centralgatech.edu/library/student_library_handbook.pdf)