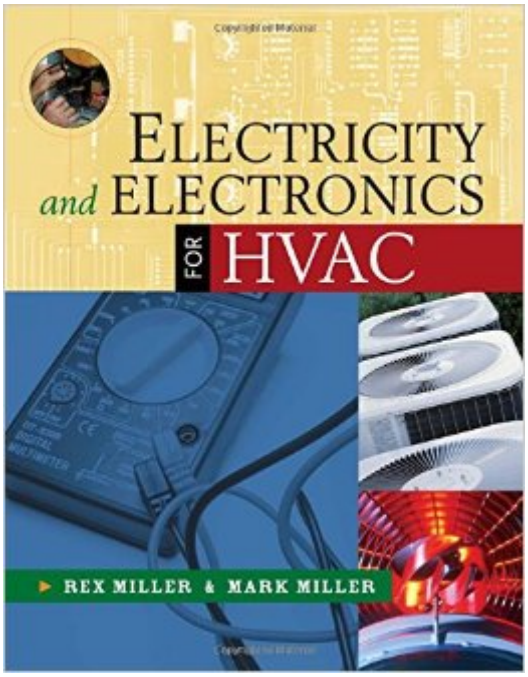
Electricity And Electronics For HVAC



Synopsis

Master the Electric and Electronic Components that Control Today's Air Conditioning, Heating, and Refrigeration Systems! Electricity and Electronics for HVAC provides an expert account of the electric and electronic components used for modern air conditioning, heating, and refrigeration systems. Packed with hundreds of detailed illustrations, this in-depth reference fully explains circuits, diagrams, digital controls, safety procedures, troubleshooting, and more. Written by the renowned technical authors Rex Miller and Mark R. Miller, this essential resource covers all electrical and electronic principles and applications of HVAC, including basic electricityâ |electric measuring instrumentsâ |control devicesâ |heating circuitsâ |refrigeration and freezer circuitsâ |and other topics. Designed to build knowledge, skills, and confidence, Electricity and Electronics for HVAC features: Complete information on electric and electronic components for modern HVAC systems Over 345 detailed illustrations to improve technical understanding Standard and SI units for all problems and worked-out equations A PowerPoint presentation for classroom use Inside this Career-Building HVAC Tool â ¢ Introduction to Electricity â ¢ Current, Voltage, Resistance, and Power â ¢ Resistors, Color Code, Components, and Symbols â ¢ Series and Parallel Circuits â ¢ Magnetism, Solenoids, and Relays â ¢ Electric Measuring Instruments â ¢ Electric Power: DC and AC â ¢ Inductors, Inductive Reactance, and Transformers â ¢ Capacitors and Capacitive Reactance â ¢ Single and Three-Phase Power â ¢ Solid-State Controls â ¢ AC Motors â ¢ Electrical Safety â ¢ Control Devices â ¢ Heating Circuits â ¢ AC Circuits â ¢ Refrigeration and Freezer Circuits â ¢ Troubleshooting â ¢ Controlling Electric Power for AC Units oCareers in AC and Refrigeration â ¢ Index

Book Information

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Crafts, Hobbies & Home > Home Improvement & Design > How-to & Home Improvements > Heating, Ventilation & Air Conditioning #692 inÂ Books > Crafts, Hobbies & Home > Home Improvement & Design > How-to & Home Improvements > Carpentry

Customer Reviews

I was excited to find this book since it seemed to be so well-written from the sample. Review questions at the end of each chapter seemed to be an added plus. However, after actually buying the entire book I was terribly disappointed. There is no way to check your knowledge using the review questions since there is no answer key. Also there are entire sections missing within the chapters. For example, the author goes into some detail listing and briefly explaining the various types of capacitors in Chapter 3, yet he never explains what capacitors actually are or how they work. You'd never suspect these reading the questions since he asks "What is a capacitor? Where are capacitors used?", etc.

Thank you.

conditioner The HVAC/R Professional's Field Guide to Universal R-410a Safety & Training: Delta-T Solutions HVAC Pump Handbook, Second Edition (McGraw-Hill Handbooks) Residential Construction Academy: HVAC (Residential Construction Academy Series) HVAC Spanish (Spanish Edition) Encyclopedia of Electronic Components Volume 3: Sensors for Location, Presence, Proximity, Orientation, Oscillation, Force, Load, Human Input, Liquid and ... Light, Heat, Sound, and Electricity Energy and power: How man uses animals, wind, water, heat, electricity, chemistry, and atoms to help him in his daily living (Golden library of knowledge)