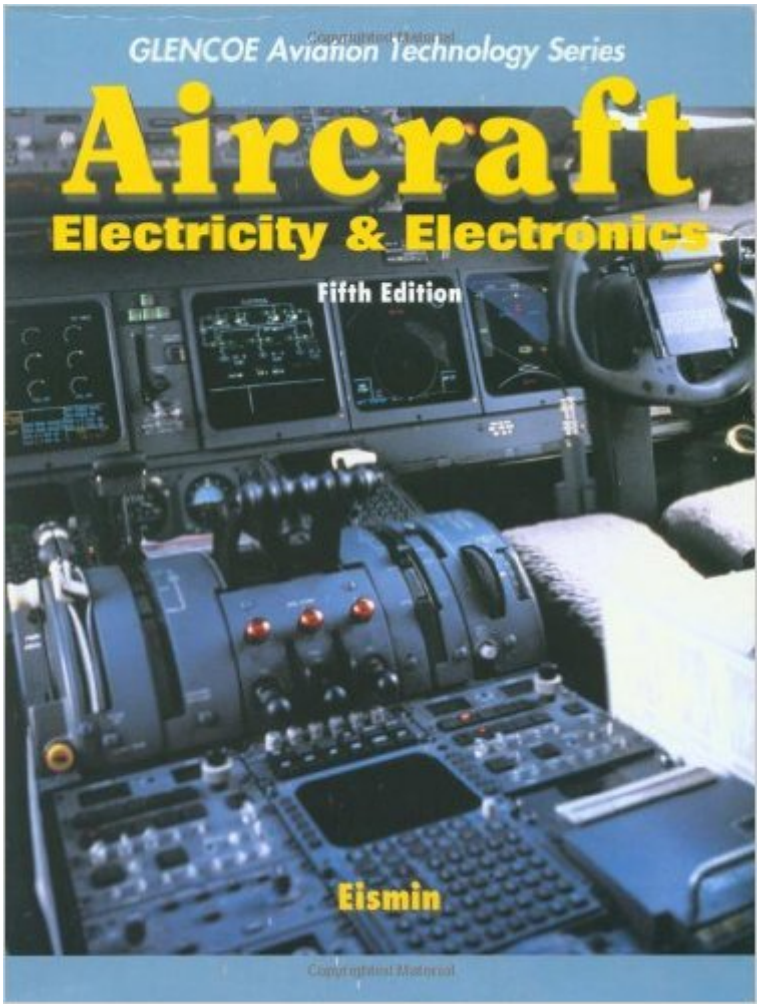
# Aircraft Electricity And Electronics (Glencoe Aviation Technology Series)



## Synopsis

One of five texts in Glencoe's Aviation Technology Series, (formerly the Northrop series), Aircraft Electricity and Electronics provides your students with the information they need to perform return-to-service-quality maintenance and repair of aircraft electrical systems. The material covered includes the details necessary for the Federal Aviation Administration certification of Airframe and Powerplants Technicians. The text expands well beyond this basic information, however, providing as in-depth study of both ac and dc systems for virtually all varieties of aircraft. The text takes students through the fundamentals of electron theory and on to the study of aircraft digital control systems. Integrated into the text are various examples of troubleshooting techniques as they apply to aircraft systems. The text also provides details on a variety of general and commercial aircraft electrical/electronic systems, including avionic systems. One of the major changes in this edition is the modernization of material about electrical and electronic equipment to reflect current practices. Coverage of transistors and semiconductors, lighting systems, and nickel cadmium batteries has been updated while troubleshooting techniques using digital and analog meters have been added. This edition includes a Student Study Guide that parallels the text. It provides fill-in-the-blank questions that identify key term, demonstrates applications of mathematical relationships, and validates learning progress by offering multiple-choice questions. The Instructor's Manual provides answers to the review questions and transparency masters to help you illustrate key concepts.

## Book Information

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Average Customer Review: 4.1 out of 5 starsÂ Â See all reviewsÂ (17 customer reviews)

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## Customer Reviews

I believe this text to be the most comprehensive reference available on basic electricity, electrical & electronic systems and avionics. When I need information about an electrical system or component it is the first place I look.The scope and detail of the text vastly exceeds that of any of the other A&P "textbooks". The text is not written at a fourth grade level like the other textbooks. If remedial instruction is your objective, this is not the textbook for you. If, however, your objective is quality instruction on basic electricity, electrical systems, and present day avionics systems this comprehensive text is vastly superior to others I have examined.In the A&P and advanced maintenance curriculum at the university where I teach, this text is used as a reference in five different courses. This text is the one you want to "hold on to" as a reference for your future maintenance activities.The only flaw in the text I perceive is given the rapid pace of adoption of new electronics and computer equipment in the aviation industry, the text will soon need revision to remain current.

If your knowledge in electronics and avionics is very little and you look for an easy introduction this book is for you. But if you are an engineer and you are looking for a specific reference, this book is definitively NOT for you. Of 400 pages, almost 300 cover general subjects in electronics, and only 100 are specifically about high level avionics. It includes new standards such as ARINC629, but still describes very old devices and techniques no longer used in commercial airliners.

This book covers the entire gamut of aircraft electrical systems; from basic theory and fundamentals to complex avionics (comms/nav/autoflight). Especially useful as a reference for digital electronic systems. A must for anyone studying or working on aircraft. Packed full of diagrams, this book is without a doubt the single most useful text written about aircraft electrical and avionics systems. As an A&P mechanic, this one is constantly being pulled off of my bookshelf.

This is a great book on theory, but if you’re a kit aircraft builder like me, it doesn’t have enough specific "how to" information. A great resource to go along with this book is "The Aeroelectric Connection", not available on  as of the writing of this review. It has all the information you need to know about to wire your aircraft; tools, supplies, and the most valuable of all: wiring diagrams for every possible configuration.

I chose 5 stars because I had the item quickly, in excellent condition. It was just as described...and more than met my expectations. Highly recommend this seller and product to all my family and

friends.....Will do business again.

This book was required material for A&P school. I knew what to expect when i ordered it. I gave 5 stars because it was delivered before expected and book was in usable condition which matched listed description. Content is what it is and provides the pertinent information for aircraft electricity. Thank you.

Good book, but my order was incomplete. According to the product description, there was supposed to be a student study guide included. The main text was the only thing included in my order. I would have given a 5 star review, but that's hard to do when you get jipped out of half of the product. Things like this keep me from wanting to order online. I use to shop with  pretty regularly, but problems such as this seem to happen more often than they use to. There is a lot to be said for the personal service you get at a brick and mortar store, that's all I'm saying. If you don't need the study guide (I do, I'm enrolled in an aviation technology program), and you don't mind buying from a misleading seller, go for it. I, however, intend to take my future business elsewhere.

I have this book and it sits on my bookself collecting dust. It was a required text for school and I could never use it. It is poorly laid out and the descriptions of the systems are not in depth enough to actually give you a decent understanding of the material. The systems are out dated with current technology unless you are a general aviation mechanic. For the few systems that are in detail, the writer makes it very difficult for the beginning student to understand. When I taught I tried to lead the other students through the text and I found it easier to just use the book as a door stop than a teaching tool. The rest of the books in this series are wonderful, but I would never use this one again.

Principles, 2nd ed (Taylor & Francis Aerospace and Aviation Engineering) Ghosts of the Great War: Aviation in WWI (Ghosts Aviation Classics) Vintage Aircraft Nose Art: Over 1000 Photographs of Pin-Up Paintings on USA Military Aircraft in World War 2 and Korea The Vital Guide to Commercial Aircraft and Airliners: The World's Current Major Civil Aircraft Area 51 - Black Jets: A History of the Aircraft Developed at Groom Lake, America's Secret Aviation Base Modern Military Aircraft (Aviation Factfile (Chartwell Books)) Modern Military Aircraft: The World's Fighting Aircraft 1945 to the Present Day Classic Military Aircraft: The World's Fighting Aircraft 1914-1945 Aircraft Propulsion Systems Technology and Design (AIAA Education Series) (Reynolds Series in Sociology) Electronics Technology Fundamentals: Conventional Flow Version (3rd Edition) Power Electronics for Technology