



# Protective Relaying for Power Generation Systems (Power Engineering (Willis))

By Donald Reimert

[Download now](#)

[Read Online](#) 

## Protective Relaying for Power Generation Systems (Power Engineering (Willis)) By Donald Reimert

Power outages have considerable social and economic impacts, and effective protection schemes are crucial to avoiding them. While most textbooks focus on the transmission and distribution aspects of protective relays, Protective Relaying for Power Generation Systems is the first to focus on protection of motors and generators from a power generation perspective. It also includes workbook constructions that allow students to perform protection-related calculations in Mathcad® and Excel®.

This text provides both a general overview and in-depth discussion of each topic, making it easy to tailor the material to students' needs. It also covers topics not found in other texts on the subject, including detailed time decrement generator fault calculations and minimum excitation limit. The author clearly explains the potential for damage and damaging mechanisms related to each protection function and includes thorough derivations of complex system interactions. Such derivations underlie the various rule-of-thumb setting criteria, provide insight into why the rules-of-thumb work and when they are not appropriate, and are useful for post-incident analysis. The book's flexible approach combines theoretical discussions with example settings that offer quick how-to information.

Protective Relaying for Power Generation Systems integrates fundamental knowledge with practical tools to ensure students have a thorough understanding of protection schemes and issues that arise during or after abnormal operation.

 [Download Protective Relaying for Power Generation Systems \( ...pdf](#)

 [Read Online Protective Relaying for Power Generation Systems ...pdf](#)

# Protective Relaying for Power Generation Systems (Power Engineering (Willis))

By Donald Reimert

## Protective Relaying for Power Generation Systems (Power Engineering (Willis)) By Donald Reimert

Power outages have considerable social and economic impacts, and effective protection schemes are crucial to avoiding them. While most textbooks focus on the transmission and distribution aspects of protective relays, Protective Relaying for Power Generation Systems is the first to focus on protection of motors and generators from a power generation perspective. It also includes workbook constructions that allow students to perform protection-related calculations in Mathcad® and Excel®.

This text provides both a general overview and in-depth discussion of each topic, making it easy to tailor the material to students' needs. It also covers topics not found in other texts on the subject, including detailed time decrement generator fault calculations and minimum excitation limit. The author clearly explains the potential for damage and damaging mechanisms related to each protection function and includes thorough derivations of complex system interactions. Such derivations underlie the various rule-of-thumb setting criteria, provide insight into why the rules-of-thumb work and when they are not appropriate, and are useful for post-incident analysis. The book's flexible approach combines theoretical discussions with example settings that offer quick how-to information.

Protective Relaying for Power Generation Systems integrates fundamental knowledge with practical tools to ensure students have a thorough understanding of protection schemes and issues that arise during or after abnormal operation.

## Protective Relaying for Power Generation Systems (Power Engineering (Willis)) By Donald Reimert Bibliography

- Sales Rank: #1498253 in Books
- Brand: Brand: CRC Press
- Published on: 2005-12-09
- Original language: English
- Number of items: 1
- Dimensions: 10.00" h x 1.25" w x 7.01" l, 2.57 pounds
- Binding: Hardcover
- 592 pages



[Download Protective Relaying for Power Generation Systems \( ...pdf](#)



[Read Online Protective Relaying for Power Generation Systems ...pdf](#)



## Download and Read Free Online Protective Relaying for Power Generation Systems (Power Engineering (Willis)) By Donald Reimert

---

### Editorial Review

#### Review

*"...covers a wide range of topics and can help the reader to achieve basic understanding or deep knowledge of generator and motor protection, thus meeting the needs of both students and professionals... The author... has worked for more than 35 years in the design not only of generator and motor protection systems, but also substation, transmission, and distribution facilities. His system planning experience as well as the preparation and teaching of different protection related courses at the University of Wisconsin-Milwaukee allow him to present the material in the book in a clear and practical manner."*

#### **?PAC World Magazine**

"Power engineers and application engineers who work with generator protective devices as well as power engineering students would find this book to be a great hands-on reference that reveals a wealth of information on generator protective relaying for power systems."

– John J. Shea, in *IEEE Electrical Insulation Magazine*, September/October 2007, Vol. 23, No. 5

### Users Review

#### From reader reviews:

##### **Robert Black:**

The particular book Protective Relaying for Power Generation Systems (Power Engineering (Willis)) has a lot of knowledge on it. So when you make sure to read this book you can get a lot of advantage. The book was published by the very famous author. The writer makes some research just before write this book. This kind of book very easy to read you may get the point easily after perusing this book.

##### **Ashley Paul:**

Reading can called brain hangout, why? Because if you are reading a book mainly book entitled Protective Relaying for Power Generation Systems (Power Engineering (Willis)) your brain will drift away trough every dimension, wandering in most aspect that maybe mysterious for but surely might be your mind friends. Imaging every single word written in a book then become one type conclusion and explanation that maybe you never get ahead of. The Protective Relaying for Power Generation Systems (Power Engineering (Willis)) giving you one more experience more than blown away your head but also giving you useful info for your better life in this era. So now let us explain to you the relaxing pattern the following is your body and mind is going to be pleased when you are finished reading it, like winning an activity. Do you want to try this extraordinary investing spare time activity?

**Jacob Hill:**

Are you kind of hectic person, only have 10 or even 15 minute in your day to upgrading your mind expertise or thinking skill even analytical thinking? Then you are receiving problem with the book as compared to can satisfy your small amount of time to read it because this all time you only find book that need more time to be study. Protective Relaying for Power Generation Systems (Power Engineering (Willis)) can be your answer given it can be read by anyone who have those short spare time problems.

**Katie Harper:**

Is it an individual who having spare time then spend it whole day through watching television programs or just lying on the bed? Do you need something new? This Protective Relaying for Power Generation Systems (Power Engineering (Willis)) can be the response, oh how comes? A fresh book you know. You are so out of date, spending your extra time by reading in this new era is common not a nerd activity. So what these books have than the others?

**Download and Read Online Protective Relaying for Power Generation Systems (Power Engineering (Willis)) By Donald Reimert #OQH741B85P9**

# **Read Protective Relaying for Power Generation Systems (Power Engineering (Willis)) By Donald Reimert for online ebook**

Protective Relaying for Power Generation Systems (Power Engineering (Willis)) By Donald Reimert Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Protective Relaying for Power Generation Systems (Power Engineering (Willis)) By Donald Reimert books to read online.

## **Online Protective Relaying for Power Generation Systems (Power Engineering (Willis)) By Donald Reimert ebook PDF download**

**Protective Relaying for Power Generation Systems (Power Engineering (Willis)) By Donald Reimert Doc**

**Protective Relaying for Power Generation Systems (Power Engineering (Willis)) By Donald Reimert Mobipocket**

**Protective Relaying for Power Generation Systems (Power Engineering (Willis)) By Donald Reimert EPub**

**OQH741B85P9: Protective Relaying for Power Generation Systems (Power Engineering (Willis)) By Donald Reimert**