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Relay Selection Guide - GE Grid Solutions

The Art and Science of Protective relaying

Protective relaying is a vital part of any electric power system: unnecessary during normal operation but very important during trouble, faults, and abnormal disturbances. Properly applied protective relaying initiates the disconnection of the trouble area while operation and service in the rest of the system continue.

of a single relay can never result in loss of protection. This so-called "backup" can exist in any of several forms: Remote Backup - in which the relays of one zone have the ability to also detect problems in adjacent zones. BASIC CONCEPTS Remote backup protection is the most common practice in both industrial and commercial applications ...

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Walter A. Elmore □ Protective Relaying Theory and Applications □ Marcel Dekker, Inc. □ □□□□□□□ 0-8247-9152-5 □ Vladimir Gurevich (□□□□) □ Electronic Devices on Discrete Components for Industrial and Power Engineering □ London - New York: CRC Press □ □□□□□ 418 □

It's mostly on electromechanical relays, but the principles and applications hold true for today's micro-processor relays. Basically, micro-processor relays merely expand and enhance, not replace, electromechanical relays in their functionality. So, this book is still a great book for principles and applications of today's micro-processor relays.

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Providing information on a mixture of old and new equipment, Protective Relaying: Principles and Applications, Fourth Edition reflects the present state of power systems currently in operation, making it a handy reference for practicing protection engineers. And yet its challenging end-of-chapter

problems, coverage of the basic mathematical requirements for fault analysis, and real-world examples ensure engineering students receive a practical, effective education on protective systems.

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A classic book of protective relaying, this one is the second edition.

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