

Article Overview

You can learn relay protection through specialized training programs offered by ABB, Pertecnica Engineering, AVO Training Institute, and online courses covering both theory and practical applications.

Vendor-Specific Training

ABB Training offers a wide range of courses focused on Relion(R) protection and control relays. Training options include interactive classroom sessions, hands-on workshops, e-learning courses, webinars, and on-site tailored programs. Participants can learn relay engineering using tools like PCM600, IEC 61850, and gain insights into cyber security and advanced fault management in digital substations .

Practical and Theoretical Courses

Pertecnica Engineering provides in-depth training on electrical relay protection and coordination. Their courses cover relay technologies, protection strategies, and coordination techniques, combining expert-led instruction with hands-on exercises, simulations, and real-world case studies. This training is ideal for engineers, system operators, and protection specialists seeking practical application skills . AVO Training Institute offers hands-on courses in protective relay maintenance, testing, calibration, and adjustment. The training includes lab exercises on overcurrent, bus differential, transformer relays, and transmission line protection, ensuring participants gain practical experience with real equipment and compliance with NETA standards .

Online and Self-Paced Learning

Electrical Engineering Portal provides a comprehensive online course on relay control and protection for low, medium, and high-voltage systems. The course includes 129 lectures over 17 hours, covering protection relays, instrument transformers, circuit breakers, and practical applications. Learners can progress from beginner to expert level and interact directly with instructors for clarifications . Electricity Forum offers a 12-hour instructor-led basic protective relay training course. It focuses on power system protection, relay schemes, fault detection, coordination, and practical relay settings, bridging the gap between theory and real-world application .

Recommendations

- o For hands-on experience: AVO Training Institute or ABB's on-site programs are ideal.
- o For structured online learning: Electrical Engineering Portal or ABB e-learning courses provide flexibility.
- o For foundational knowledge: Electricity Forum's basic protective relay training is suitable for beginners.
- o For advanced coordination and system design: Pertecnica Engineering offers specialized, expert-led courses.



Where to learn relay protection

By selecting a program based on your learning style--hands-on, online, or classroom--you can gain both theoretical understanding and practical skills in relay protection and coordination.

Although the primary role of protective relays is to perform protection functions, relays also provide additional data and some control

Pertecnica Engineering's Electrical Relay Protection and Coordination Training provides an in-depth understanding of relay

This online protective relay testing seminar follows Chris Werstiuk (author of The Relay Testing Handbook) as he shows you the

The Relays-Online training center offers you the information you need to get started with your protection and control products, as well

Offered by L&T EduTech. This course concentrates and details about Transmission line protection, Generator protection,

Do you find protective relay testing frustrating? Our 24/7/365 online protective relay training is designed to help you master relay testing!

Learn everything you need to know about protective relays, the essential devices used to

SIPROTEC: Multifunctional protection relays Experience the benchmark in grid protection, automation, and monitoring! SIPROTEC

Do you want your team to test relays faster... and make sure the relays will work during a fault. Get hands

Instrument transformers, over current, frequency, and voltage relay applications are covered in depth with emphasis placed on

TST 101 provides a beginner-level introduction to testing SEL relays. Students will learn basic relay testing skills; acquire skills

This course covering basic level to intermediate will teach you to understand relay circuitry and read and analyze control and

Learn how a relay works and how you can use it to turn on/off high-power devices with tiny signals. Includes practical

Where to learn relay protection

Interaction is encouraged between participants and the presenters, to underpin the learning objectives.

With the advances in protection and communication technology in recent decades plus the strong increase of renewable energy

Relay protection circuitry This handbook covers the code of practice in protection circuitry

Web: <https://www.millstraining.co.za>

