

Relay Protection Classroom



Article Overview

Relay protection classroom training equips engineers and technicians with the knowledge and practical skills to design, apply, and maintain protective relays for safe and reliable power system operation.

Overview of Relay Protection Training

Relay protection training focuses on protective relays, which are critical for detecting faults, coordinating breakers, and safeguarding electrical power systems. Courses typically cover:

- Principles of power system protection
 - Relay types: digital, electromechanical, and microprocessor-based
 - Protection schemes for lines, transformers, buses, generators, and motors
 - Fault detection, analysis, and coordination
 - Relay settings calculation and application
 - Hands-on testing, calibration, and maintenance of relays
- These programs are designed for engineers, technicians, and maintenance personnel responsible for applying, testing, or troubleshooting relay-based protection systems .

Types of Training

- Classroom-Based Theory Courses
- Example: PROT 401 provides a comprehensive overview of protection principles, relay schemes, and instrument transformers. Students learn to analyze faults, select protection schemes, and calculate relay settings for various applications .
- Focuses on conceptual understanding and problem-solving rather than vendor-sp...

Article Content

Feb 04, 2026

Get the Protective Relay Training You Should Have Had

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

Jan 07, 2026

Protective relay maintenance training | AVO Training

This course is intended for technicians and engineers responsible for the testing and calibration of

Mar 05, 2026

Transformer protection and control

Transformer protection relays are used for protection, control, measurement and supervision of power transformers.

May 17, 2026

APP 101: Hands-On Introduction to SEL Relays

APP 101 provides hands-on, introductory-level training for new SEL relay users transitioning from electromechanical devices to digital

Apr 09, 2026

Relays-Online

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

Oct 04, 2025

Power Systems Training | Protection & Control Courses

This course provides foundational training in the areas of Protective Relays, Protection Schemes, Instrument Transformers, and

Jul 21, 2026

PROTECTION THEORY & TESTING

Protection theory and hands on relay testing courses using Doble instruments and software (Protection Suite, RTS and PowerBase).

Apr 22, 2026

CBT 101: Introduction to SEL Relays

Available Courses CBT 101: Introduction to SEL Relays Select the Launch course button to start your online self-paced training.

Jul 21, 2026

Types of Electrical Protection Relays or Protective Relays

Protective relays can be categorized based on their operating mechanisms into electromagnetic relay, static, and

Nov 20, 2025

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Explore SEL University courses to enhance your knowledge in power system protection, automation, and control with hands-on

Dec 07, 2025

Operation, maintenance, and field test procedures for protective relays

Plant protection system functional testing Protective circuit functional testing, including lockout relay testing, must take

Feb 22, 2026

Relay Protection for System Operators Online Class

This instructor-led training (ILT) provides a foundational understanding of power system production and transmission, covering key

Jun 15, 2026

Protection relays

Protection relays Numerical relays are based on the use of microprocessors. The first numerical relays were released in 1985. A big

Dec 06, 2025

The Essentials of Relay Protection and Control in Power

Learn power system protection and control concepts, protection schemes and relays, primary & secondary

May 31, 2026

Relay Protection for System Operators Online Class

This course provides essential training on recognizing and managing power system emergencies, focusing on frequency and voltage

Dec 12, 2025

Introduction to Protective Relaying | Electric Power Measurement and ...

Introduction to Protective Relaying What are Protective Relays, or Protection Relays?
Protective relays are used in industrial power

Jun 28, 2026

Protective Relay Training – Basic Power System Protection

Protective relay training offers an overview of power system protection, relay schemes, digital and electromechanical

Feb 21, 2026

Power System Protective Relays: Principles & Practices

Abstract: Protective relays and devices have been developed over 100 years ago to provide “last line” of defense for the electrical

Sep 11, 2025

Power Engineering Course: Relay Control and Protection For

Learn how to analyze and set relay control and protection for low- medium- and high-voltage switchgear and substations from

Feb 04, 2026

Protective Relays

Protect critical components in your power system with a wide range of SEL protective relays covering applications and use cases

Jul 27, 2026

Testing Commissioning Protection ABB Relays

<p>Dear fellows,</p><p>This is the most comprehensive online training of Testing Commissioning

Oct 24, 2025

The Role of Protection Relays in Power Systems and an

Protective relays are critical in power systems because they serve as decision-making devices that ensure the safe

Apr 04, 2026

Basics of Electrical Protection System

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

Aug 14, 2025

Understanding Protective Relays in Power Systems

Protective relays are critical components in power systems, providing essential protection for various elements such

Mar 02, 2026

Basic protection relay knowledge

Relion protection and control relays for several application reduce complexity. Long term cost reduction (TCO) for trainings and

Sep 04, 2025

Home | Hands On Relay School

Established in 1984, the Hands-On Relay School (HRS) is a week-long professional training course offering instruction for both

Feb 06, 2026

PROT 401: Protecting Power Systems for Engineers

PROT 401 provides an overview of the principles and schemes for protecting power lines, transformers, buses, generators, and

Contact Us

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