Online Training
RELIABILITY MATTERS



Relay Technician Training Program

Utility relay technicians are the backbone of a reliable utility. Unfortunately, finding and keeping relay techs is also one of a utility's biggest challenges. How do you quickly and effectively train a new hire so they are a productive member of your team? And, once they are up to speed, how do you retain them?

As one of the industry's top training companies, we have designed a program to overcome these challenges. Our Relay Technician Training Program focuses on the fundamentals and provides progressive training to give your techs a defined career path.

Training for Reliability and Retention

According to the Wynhurst Group, an executive coaching and consulting firm, employees who participate in a structured onboarding program are 58% more likely to remain with the organization after three years. Our program provides a structured, fundamental curriculum to quickly get your new hires up to speed. Using a systematic approach to training, new hires learn what they need to know before they begin your company-specific training.

As your employees progress through their career path, our program provides advanced training, including simulation, to ensure the highest level of performance. Statistics show 40% of employees leave within the first year because of poor training. Our Relay Tech Training Program is a step toward retaining your employees.

Our program consists of:

- Level 1: The Fundamentals training designed to introduce your new hires to
 the electric utility industry and provide a foundation for your company-specific
 training. This training is appropriate for new hires with no electrical or relaying
 experience
- Level 2: The Next Step training for new hires or technician candidates who
 may have a good understanding of electrical theory, applications, and related
 math
- Level 3: Advanced a generalized application of Levels 1 and 2

Full Curriculum >

Relay Technician Curriculum

Level 1 (15 courses)

Basic Electricity Fundamentals

Basics of Power System Operations

Electron Theory

Magnetism and Electromagnetism Explained

Ohm's and Kirchoff's Laws Relating to DC Circuits

Evaluating Series and Parallel DC Circuit Performance

Determine Circuit Outputs from Specified Inputs

Introduction to Alternating Current (AC)

Ohm's and Kirchoff's Laws Involving AC Circuits

Inductance in AC Circuits

Capacitance in AC Circuits

Impedance in AC Circuits

AC Power

Fundamentals of Three-Phase AC

High Voltage AC

Level 2 (16 courses)

Electric Distribution System Fundamentals

Primary and Secondary Distribution Systems

Distribution System Components and Application

Characteristics of Distribution Switchgear

Load Characteristics and Management

Elements of System Protection

Types of Protective Relays

Monitoring System Conditions

Disturbance Monitoring Equipment

Line Protection

Transformer Protection

Pilot Protection

Bus Protection

Generator Protection

Protection System Misoperation

Protection System Maintenance Programs

Level 3 (8 courses)

Electrical Faults and Current Ratings

Overcurrent Protection, Fuses, and Breakers

Protective Relays

Generator, Transformer, and Motor Protection

Grounding and Bonding

Electrical Drawings

Industrial Print Reading Overview

Logic Diagrams



Relay Technician Training Program	No. of Courses	Price/Student
Level 1 – The Fundamentals	15	\$ 550
Level 2 – The Next Step	16	\$ 850
Level 3 – Advanced	8	\$ 450
All three levels combined	39	\$1800

Pricing is per user for a one year commitment. Contact your account manager for three-year pricing.



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