

Safety Products

2030 ElectroGuard™ Safety Isolation System Maintenance and Troubleshooting Fundamentals Course Description

COURSE AGENDA

Day 1

- Overview of ElectroGuard System Fundamentals
- Understanding Workplace Practices for Using the ElectroGuard System
- Overview of ElectroGuard Modules, including Power Panel, Control Module, Expansion Module, Remote Lockout Station, Pneumatic Isolation Module
- Performing System Checkout
- Troubleshooting an ElectroGuard system: Getting Started
- Interpreting the Status Indicator Lights
- Replacing ElectroGuard Modules
- Creating a Service Log
- Performing Preventative Maintenance



COURSE NUMBER: SAF-ELE101-LD

Course Purpose

This course will help provide you with the fundamental skills needed to operate, start up, maintain, and troubleshoot an ElectroGuard Safety Isolation System. The instructor will describe and demonstrate basic system functionality, and procedures for checkout, troubleshooting and preventative maintenance. You will then practice these procedures using ElectroGuard Safety Isolation System modules. Highlights of this course include working on an ElectroGuard system equipped with expansion, communication, and pneumatic isolation modules.

Who Should Attend

Individuals who need to maintain and troubleshoot an ElectroGuard Safety Isolation System should attend this course.

LISTEN.
THINK.
SOLVE.®

Prerequisites

To successfully complete this course, the following prerequisites are required:

- General knowledge of electrical principles, circuits, and safety practices
- Ability to perform lockout tagout procedures
- Experience using a multimeter and reading an electrical schematic
- Ability to interpret an electrical schematic

Hands-On Practice

Hands-on practice is necessary for building skills. Throughout this course, students will have the opportunity to practice the skills they learn through a variety of hands-on exercises. Students will practice maintaining a ElectroGuard Safety Isolation System by performing the following actions:

- Identify system hardware
- Replace equipment in an existing ElectroGuard system, including replacement of the factory sealed modules
- Perform system checkout
- Troubleshoot and repair the ElectroGuard Safety Isolation system,
- Replace factory-sealed ElectroGuard modules
- Create an ElectroGuard Service Log

Student Materials

To enhance and facilitate students' learning experience, the following materials are provided to each student as part of the course package:

- Student Manual, which contains the key concepts, definitions, and examples presented in the course and includes the hands-on exercises.
- Schematic Print Collection, which contains detailed product drawings and schematics.

Course Length

This is a one day course.

Course Number

The course number is SAF-ELE101-LD.

To Register

To register for this or any other Rockwell Automation training course, contact your local authorized Allen-Bradley Distributor or your local Sales/Support office for a complete listing of courses, descriptions, prices, and schedules.

You can also access course information via the Web at <http://www.rockwellautomation.com/training>

www.rockwellautomation.com

Power, Control and Information Solutions

Americas: Rockwell Automation, 1201 South Second Street, Milwaukee, WI 53204-2496 USA, Tel: (1) 414.382.2000, Fax: (1) 414.382.4444

Europe/Middle East/Africa: Rockwell Automation SA/NV, Vorstlaan/Boulevard du Souverain 36, 1170 Brussels, Belgium, Tel: (32) 2 663 0600, Fax: (32) 2 663 0640

Asia Pacific: Rockwell Automation, Level 14, Core F, Cyberport 3, 100 Cyberport Road, Hong Kong, Tel: (852) 2887 4788, Fax: (852) 2508 1846