

# Safety Products

## 2030 ElectroGuard™ Safety Isolation System Authorized Maintenance and Troubleshooting Course Description

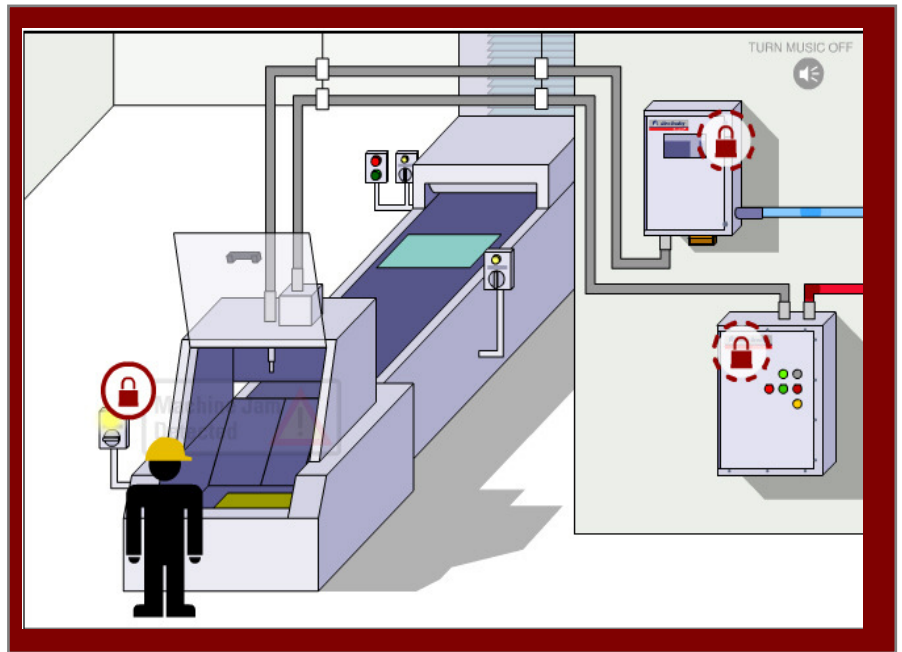
### COURSE AGENDA

#### Day 1

- Understanding functional specifications of ElectroGuard Modules, including Power Panel, Control Module, Expansion Module, Remote Lockout Station, Pneumatic Isolation Module
- Performing Module Checkout
- Breaking the Factory Seal of an ElectroGuard Module
- Troubleshooting within the Module
- Interpreting Status Indicator Lights
- Replacing the Module Seal
- Creating a Service Log
- Performing Preventative Maintenance

#### Day 2

- Troubleshooting an ElectroGuard System to the Component Level



### COURSE NUMBER: SAF-ELE102-LD

#### Course Purpose

This course will help provide you with the skills and authorization level needed to maintain, and troubleshoot the factory-sealed modules of a 2030 ElectroGuard Safety Isolation System. The instructor will describe and demonstrate procedures for module 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. This course will also provide you with opportunities to practice troubleshooting module faults.

#### Who Should Attend

Individuals who need to maintain and troubleshoot an ElectroGuard System, and who require authorization to repair sealed modules, 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
- Ability to interpret an electrical schematic
- Completion of the *2030 ElectroGuard Safety Isolation System Maintaining and Troubleshooting Fundamentals* course (SAF-ELE101) or equivalent experience

### ***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 the following authorized-level maintenance and troubleshooting tasks on a 2030 ElectroGuard Safety Isolation System:

- Replace equipment in an existing ElectroGuard system, including replacement of the factory-sealed modules
- Perform system checkout
- Troubleshoot and repair the ElectroGuard system,
- Replace and re-seal 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 two (2) day course.

### ***Course Number***

The course number is SAF-ELE102-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](http://www.rockwellautomation.com)**

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