

**Course Name: Electrical Controls - Sensors, Eyes and Switches**

**Hours to complete:** 2.00

**CEUs:** 0.20

**Description:**

In this course learners will discuss the importance of sensors, limit switches, photo eyes and proximity switches, and how they interface with electrical control systems. They will learn the types of sensors available in the industry and their advantages and disadvantages and will understand the basic sensing functions and terms associated with applications and will discover how to select the correct sensor and troubleshooting techniques.

**Audience:**

This program is designed for ride owners/operators, maintenance, inspectors and other amusement personnel who require continuing education and training for maintaining their certification to work in their respective positions per AHJ regulations and/ or company policies. This program is also ideal for individuals wishing to remain current on latest industry trends, standards and best practices applicable to their day to day job duties as it relates to their role.

**Specific target audience includes:**

Ride device, water slide, water attractions, trampoline and adventure course inspectors, maintenance personnel, owner/ operators, course management.

**Prerequisites:**

Participants enrolling in this course:

- Must have access to a mobile device or computer with connectivity to the internet for viewing the content within the learning management system.
- Must log in with their unique email and password credentials to access their course materials.
- Must have access to a stable, high speed Internet connection for optimal viewing of the content to minimize potential for buffering of multimedia in learning programs.

**Evaluation:**

Successful course completion includes:

- Review of the module content in its entirety
- Successful completion of the module quiz
- Completion of the module course evaluation survey.

Upon successful completion of all modules, participants must complete the course survey and then will have access to download their credentials and any associated CEUs

**Outcomes:**

Participants in this course will

1. Discuss the importance of sensors and why they are used in the amusement industry.
2. Learn the types of sensors available and their advantages and disadvantages.

3. Understand the basic sensing functions and terms associated with applications.
4. Discover how to select the correct sensor for your application and how to troubleshoot sensor issues.

**Expectations:**

Students will watch a learning module of content from the AIMS 2020 Safety Seminar video series and complete the assessment quiz at the end of the module.