Safety Light Curtain Maintenance Training

SICK LifeTime Services Training Course

Description

This training module is an entry level course for the purpose of understanding basic safety light curtain operation and maintenance. This training module covers why safety light curtains are used and how safety light curtains function. Participants will learn techniques for installation and maintenance of safety light curtains. Participants will experience how to interpret the product diagnostic LEDs and display for troubleshooting purposes. Participants will be able to distinguish normal operating status from a fault condition. Participants will learn when a safety light curtain requires cleaning or realignment, and when it needs to be replaced. This module is not intended to cover how to select the appropriate product for specific applications, nor configure safety light curtains needing SICK configuration software for commissioning. These advanced topics are covered in separate SICK LTS training modules. The instructor will share presentations and product demonstrations using either an online meeting tool, or when delivered at customer site or at the SICK North American Training Center, a hands on learning experience. Exercise tasks will be used to monitor participant's competency as the training progresses.

Objectives

- Establish best practices to mount and align a safety light curtain
- Identify how to properly wire a safety light curtain to a safety control system
- Acquire the knowledge of how to examine and test feature-options
- Acquire the knowledge to interpret LEDs and diagnostic display to distinguish normal operation from a fault condition
- Identify probable faults
- Expand knowledge of products to recognize and correct product alerts for poor alignment and contamination
- Implement best practices for cleaning product
- Acquire skills to load a saved configuration, if applicable
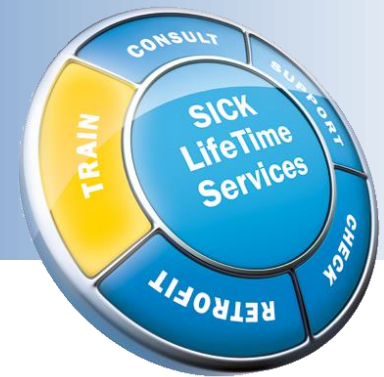- Identify how to retest for proper operation

Course Benefits

- Develop best practices for alignment techniques and tools to minimize alignment effort and time
- Develop troubleshooting skills about safety light curtains to resolve issues in a minimum of time
- Develop best practices for cleaning front screen to reduce machine outage times
- Develop skills necessary to replace a safety light curtain in a minimum of time

V20262

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Target Audience
- Plant Maintenance personnel

Prerequisites
- Simple mechanical aptitude

Recommended Additional Course
- Basic Machine Safeguarding Training
- Specific safety product Configuration Training

Duration
2 Hours

Class Size
Maximum of 8

Where Offered
- Customer site
- SICK North American Training Center
- Online meeting

Format
Presentation, demonstration, and exercises/quizzes

Testing Available
Yes

Customer Required Materials
For training at customer site, at a minimum, for every two participants:
- Minimum of two (2) 110 VAC outlets

For virtual training:
- Online meeting tool installed (if necessary) prior to attending

Logistics
The following must be made available for the duration of the training:
- A suitable training room/area
- For in-person training at customer site or at the SICK North American Training Center, SICK provides hardware workstations for the hands-on experience

Failure to have the customer required material and/or logistics available may lead to ineffective training and may result in the class not being able to achieve the described objectives and course benefits.

Part Number
1069319

Travel expenses additional. Please contact SICK for information.

SICK Training & Education
From product training, start-up assistance, and engineering and consulting services — SICK provides the necessary support before and after field installation through an established network of field personnel. Training, service and support programs from SICK help you reach your goals with our innovative, cost-effective solutions.

SICK offers several types of training programs to help you learn more about our innovative products and systems. Many of our training modules offer hands-on, real-world application examples and problem-solving experiences. Please visit our website at http://www.sickusa.com for more information.

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