C4000 Palletizer – Fusion Safety Light Curtain Configuration Training

SICK LifeTime Services Training Course

Description

This training module covers how the C4000 Palletizer and/or Fusion safety light curtains work, how to select, install, configure, maintain or replace them, and how to use the extensive troubleshooting capabilities. Participants receive experience with SICK CDS (Configuration and Diagnostic Software) to examine configurations and diagnostic tools. Participants learn how to properly service and replace products. 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

- Mount and align the C4000 light curtain
- Wire the C4000 to a safety interface
- Use CDS to configure and test various feature-options
- Troubleshoot C4000 detected faults
- Troubleshoot external interface faults
- Use CDS to backup and load saved configurations
- Configure application selections:
  - Protective operation
  - Goods detection
  - Pallet detection
  - Object entry monitoring
  - Object pattern recognition (Fusion)
  - Coil detection (Fusion)
  - Manual teach-in (Fusion)
- Examine Virtual photoelectric switches
- Examine Reduced resolution
- Examine Multiple sampling
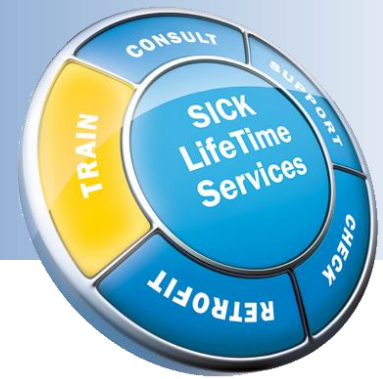- Recognize and correct product alerts for poor alignment and contamination

Course Benefits

- Learn about different alignment techniques and tools to minimize replacement time
- Learn how to troubleshoot systems to resolve issues in a minimum amount of time
- Learn how and when to properly clean a C4000 to reduce unnecessary downtime
- Reconfigure safety light curtain systems to ensure quick setup for different applications
- Extract, save and load configurations from an existing system to a replacement unit, reducing setup time

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Target Audience
Technical Staff, Maintenance Managers, Integrators and Plant Engineers

Prerequisites
- Simple mechanical aptitude
- Basic computer skills

Recommended Additional Course
Basic Machine Safeguarding Training

Duration
4 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:
- PC with CDS installed prior to attending
- Minimum of two (2) 110 VAC outlets

For virtual training:
- PC with CDS installed prior to attending
- 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
1065301

Travel expenses additional. Please contact SICK for information.

SICK Training & Education
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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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