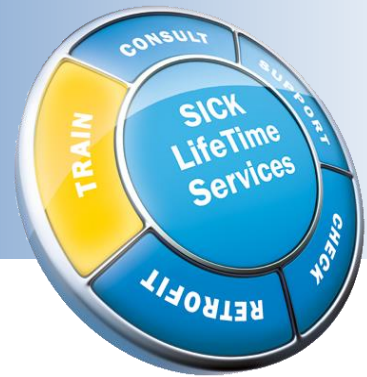


# Safety Relays Configuration Training

## SICK LifeTime Services Training Course



### Description

This training module examines the functionality and purpose of different types of safety relays. The basics of safety wiring and logic are examined as well as the fundamentals of how to achieve needed levels of safety performance and categories. Participants will experience exercises to build circuits of increasing levels of safety logic. Product status LEDs will be used in order to recognize system problems and how to troubleshoot them. 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

- Examine different types of safety relays
- Learn how to replace individual modules
- Wire safety relay logic
- Interpret safety relay status LEDs
- Create wiring faults and troubleshoot system

### Course Benefits

- Participants will learn what qualifies as a safety circuit
- Participants will learn how to safety design circuits to reach different safety standards performance levels
- The participant will learn when it is necessary and how to quickly replace a safety relay in a minimum of downtime



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## SICK LifeTime Services Training Course



### Target Audience

Plant Engineers and Electric Technicians

### Prerequisites

- None

### Recommended Additional Course

- Basic Machine Safe Guarding Training

### Duration

6 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

1065332

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.