

How to adjust a Sick digital fiber optic sensor



Article Overview

Adjusting a SICK digital fiber optic sensor involves setting the sensitivity, performing a teach-in, and optionally resetting to factory settings to ensure accurate detection.

Step 1: Access the Sensor Menu

Most SICK digital fiber optic sensors, such as the WLL180T, have a Mode or Teach-in key on the amplifier or sensor head. Pressing this key for 2 seconds typically enters the configuration or teach-in mode, allowing you to adjust parameters like sensitivity, switching threshold, and operating mode .

Step 2: Adjust Sensitivity

- Navigate through the sensor menu using the arrow keys to locate the sensitivity or switching threshold setting .
- For diffuse sensors, point the sensor at the background without an object and press the Teach-in key to set the baseline.
- The sensor will indicate a successful adjustment, often by blinking the set switching threshold three times .
- Fine-tune the sensitivity if the sensor is detecting too early (Err1) or too late (Err2) by repeating the teach-in procedure or adjusting the threshold manually .

Step 3: Perform a 1-Point or 2-Point Teach-in...

Article Content

The new generation: WLL180T photoelectric sensor with fiber ...

For individual applications, the WLL180T photoelectric sensor with fiber-optic cable can be adjusted very easily through the intuitive

Fiber-optic sensor

A fiber-optic sensor is a sensor that uses optical fiber either as the sensing element ("intrinsic sensors"), or as a means of relaying

SICK LL3-TV05 Plastic Fiber-Optic Sensor User Manual

Comprehensive user manual for the SICK LL3-TV05 Plastic Fiber-Optic Sensor, covering installation, operation, maintenance,

Fiber-optic sensors

When installation space is extremely limited or the objects to be detected are tiny, fiber-optic sensors are the ideal solution. If it is

Fiber Sensors

What Is a Fiber Sensor? A Fiber Sensor is a type of Photoelectric Sensor that enables detection of objects in narrow locations by

Photoelectric sensor WLL180T Manual | Manualzz

Below you will find brief information for Photoelectric sensor WLL180T. The photoelectric sensor for fiber-optic cables WLL180T with

Detection sensors

When installation space is extremely limited or the objects to be detected are tiny, fiber-optic sensors are the ideal solution.

Commissioning. SICK WLL80 Analog Fiber-optic sensor

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INTELLIGENT DIGITAL FIBER OPTICAL SENSOR

Dial the lock lever to the vertical position, at this point the optical fiber has been fastened, remove the optical fiber and dial the lock

Electrical installation. SICK WLL80 Analog Fiber-optic sensor

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Sick Fiber-optic sensors and fibers Product information

SICK Fiber-optic sensors and fibers offer reliable and accurate detection of even the smallest objects. These devices feature

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Get to know the basic settings of the GLL70 fiber optic sensor from SICK. Available at all times regardless of office hours to provide

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Operation. SICK WLL80 Analog Fiber-optic sensor

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Den Sensor in Richtung 1 schieben, an der Anschlussseite für die Lichtleiter nach oben kippen und Sensor entfernen. B E T R I E B

Detection sensors

Discover our Fiber-optic sensors. When installation space is extremely limited or the objects to be detected are tiny, fiber-optic

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[Sensor Setting Guide](#)

Sensor Setting Guide available in all major Asian and European languages. An essential support tool for personnel configuring

[WLL80 Fiber-optic sensors. The smart solution for challenging](#)

With the WLL80 opto-electronic fiber optic amplifier, SICK is creating a new generation of amplifiers for the flexible integration of fiber

[Sick WLL80 Fiber-optic sensor Operating instructions](#)

Optimal sensor settings depend on the surface reflectivity and sensor type. Adjust parameters like the switching threshold and

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Learn how the teach-in process of the GLL70 fiber optic sensor from SICK works. Get to know the basic settings of the GLL70 fiber

WLL180T Sensor Teach-in Manual | PDF | Optical Fiber | Electrical ...

This document provides instructions for configuring the settings of the WLL180T photoelectric sensor for fiber-optic cables for

Digital Fiber Optic Sensor/Amplifier Wiring and Setting

working principle: Fiber optic sensors use the propagation characteristics of light to detect or measure various physical and chemical

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