

RIVO MULTITRADE OPTICAL SYSTEMS

How to turn off the fiber optic amplifier sensor



Overview

Manual Sensor Keyence | PDF | Optical Fiber | Amplifier Two-point calibration for FS-V31 series sensors involves first pressing the SET button with no work.

Key Takeaways

To turn off a fiber optic amplifier sensor, you typically use the amplifier's output control buttons or reset functions to disable the sensing output. General Method for Disabling the Sensor

- Using Output Buttons (IFM OBF5xx example)
- Press the [OUT off] button to reduce the switching threshold or disable the output temporarily.
- For permanent deactivation, some models allow pressing [OUT on] + [OUT off] simultaneously to exit programming and return to normal operating mode without active switching .
- Using Mode or Preset Functions (Panasonic FX-301 / FX-551)
- Enter the MODE or PRO mode on the amplifier display.
- Adjust the sensing output operation to Light-OFF or disable the output by holding the SET or PRESET buttons, depending on the model .
- For FX-301, full-auto teaching can be bypassed, and the output can be disabled by setting the threshold above the maximum incident light intensity .

- Keyence FS-N Series Example
- Press and hold to disable the sensor function.
- This sets the current value to 0.0, effectively turning off the sensing output while maintaining the amplifier powered .

Safety and Power Considerations

- Always disconnect power before physically removing or adjusting fibers to prevent electrical hazards .
- Ensure that disabling the sensor does not compromise safety if the sensor is part of a critical system.

Summary

- Temporary deactivation: Use the amplifier's [OUT off], SET, or PRESET buttons.
- Permanent or reset: Use PRO mode, MODE settings, or simultaneous button presses to exit programming.
- Always follow the manufacturer's instructions for your specific amplifier model to avoid damage or incorrect operation. By following these steps, you can safely turn off or disable a fiber optic amplifier sensor for maintenance, calibration, or troubleshooting purposes.

Article Content

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Two-point calibration for FS-V31 series sensors involves first pressing the SET button with no workpiece in front of the fiber unit to

JOCOS FU-59U Fiber Optic Sensor Penetration Opposing Probe

Instruction manual for the JOCOS FU-59U Fiber Optic Sensor Penetration Opposing Probe Amplifier, covering setup, operation,

Digital Fiber Sensor Amplifier FX-505 -C2

Put the amplifier protection seals 4th and 5th amplifiers and between 8th and 9th amplifiers or change the communication protocol

Digital Fiber Sensor Amplifier FX-301(P) INSTRUCTION MANUAL

Digital fiber sensor FX-301(P) has been modified since production in June. 2004. Hence, this instruction manual has been changed

Fiber Optic Sensors and Amplifiers

Omron's high-performance fiber optic sensors and amplifiers come in a wide variety of configurations to meet your specialized

Fiber Sensors

A Fiber Sensor is a type of Photoelectric Sensor that enables detection of objects in narrow locations by transmitting light from a

Keyence Digital Fiber Optic Sensor (FS-N11CN) Setup

Introduction This guideline explains how to setup and mount the Keyence Digital Fiber Optic Sensor (FS-N11CN). Tool

Digital Fiber Sensor Amplifier FX-505 -C2

12 OPTICAL COMMUNICATION When the setting of data bank loading / saving, copy setting, or copy action setting is conducted via

Digital Fiber Sensor Amplifier FX-500 Series PRO MODE

Number of adherence mounting of sensor head depends on response time of interference prevention function. " ": Set when using

PANASONIC FX-301-HS INSTRUCTION MANUAL Pdf Download

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To extend sensing distance (diffuse reflective type): If fiber optic sensor is used in place where there are targets with high reflectivity

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Technical Explanation for 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

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Long Range Fiber Optic Amplifier DF-G3 Series Developed to provide world-class long-range detection, DF-G3 fiber amplifiers are

Fiber Amplifier Sensor Communication Units

The E3X-SRT21 for CompoBus/S communications is a Communication Unit that uses the CompoBus/S to monitor the ON/OFF

How to Adjust

How to Adjust - Set up Keyence Fibre Optic Teach Sensor on JDA Filling & Capping Machines For sales inquiries or

Panasonic Digital Fiber Sensor Amplifier FX-501, FX-502 ...

Learn about the features and functions of the Panasonic Digital Fiber Sensor Amplifiers FX-501, FX-502, and FX-505 -C2. This

Panasonic FX-301 (P) Fiber Sensor Amplifier Instruction Manual

The FX-301 series offers a range of digital fiber sensor amplifiers for industrial applications. These amplifiers use a modulated LED to

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

