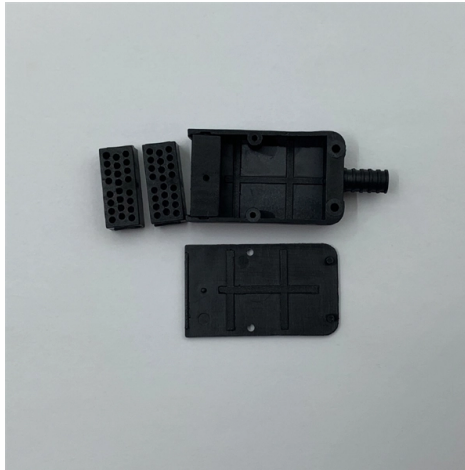


How to use the FX301 fiber optic sensor



AI Overview

The FX301 fiber optic sensor detects objects using light and can be configured via its amplifier for sensitivity, timing, and mode settings.

Installation and Setup

Mounting the Amplifier: Attach the FX301 amplifier to a DIN rail or secure surface. If connecting multiple amplifiers in cascade, ensure proper spacing and use optional end plates (MS-DIN-E) to prevent movement and interference ().

Fiber Attachment: Use the two-in-one fiber attachment to cut and insert fibers to the amplifier. This ensures consistent sensitivity and prevents variation due to fiber insertion depth ().

Power Connection: Connect the power supply (50 mA max per amplifier). When powering on, the light emission timing is automatically set to prevent interference ().

Operation and Configuration

Mode Selection: The FX301 offers multiple modes:

- FAST mode:** 150 μ s response for rapid detection.
- LONG mode:** For adverse environments.
- S-D mode:** For minute detection ().

Threshold Adjustment: Use the 4-digit red LED display to monitor incident light intensity and adjust the threshold for accurate detection ().

Timer Function: Configure the output signal duration using the built-in timer function to match your application requirements ().

Cascading Amplifiers: Up to 16 amplifiers can be connected side-by-side. Use a 3-core main cable for the main unit and a 1-core sub cable for additional units to save wiring space ().

Safety and Precautions

- Do not use the FX301 for personnel protection; it is not certified for safety applications ().
- Avoid exposure to dust, water, oil, organic solvents, or explosive gases ().
- Ensure the power is off when adding or removing amplifiers ().
- Keep the sensor indoors and away from extreme heat or steam ().

Maintenance Tips

- Regularly check fiber alignment and amplifier settings to maintain stable detection.
- Use the MODE NAVI indicators to quickly verify amplifier operation and settings ().
- Avoid disassembling or modifying the sensor to prevent damage ().

By following these steps, you can effectively install, configure, and operate the FX301 fiber optic sensor...

Article Content

PANASONIC FX-301-HS INSTRUCTION MANUAL Pdf Download

View and Download Panasonic FX-301-HS instruction manual online. Digital Fiber Sensor Amplifier. FX-301-HS amplifier pdf manual download.

Panasonic Digital Fiber Sensor FX-301 User Manual

FX-301 Digital Fiber Sensor Superior performance and advanced user-friendly multi-functionality enables expert usage on the very first day 68 SERIES Long-range sensing made possible with built

SUNX FX-301 OPERATION MANUAL Pdf Download | ManualsLib

The optical communications function The FX-301 (P) and FX-305 (P) incorporate an optical communication function. By utilizing optical communications, interference can be prevented and

PANASONIC FX-301-F INSTRUCTION MANUAL Pdf

View and Download Panasonic FX-301-F instruction manual online. Digital Fiber Sensor For Leak / Liquied Detection Fiber. FX-301-F accessories pdf manual

Panasonic FX-301, P Digital Fiber Sensor Instruction Manual

This instruction manual provides detailed information on how to operate the Panasonic FX-301 Digital Fiber Sensor. Learn about its features, setting options, teaching modes, and troubleshooting tips.

SUNX FX-301 OPERATION MANUAL Pdf Download

View and Download Sunx FX-301 operation manual online. PRO Mode DIGITAL FIBER SENSOR. FX-301 accessories pdf manual download. Also for: Fx-303, Fx

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

Connection method Digital Fiber Sensor Amplifier FX-301 (P) MJE-FX301 No.0034-48V Thank you very much for purchasing Panasonic products. Please read this Instruction Manual carefully and

Panasonic Digital Fiber Sensor FX-301 User Manual

Browse online or download Panasonic Digital Fiber Sensor FX-301 User Manual 66 pages. Safety Panasonic Digital Fiber Sensor FX-301 user manual pdf download free [13.49 MB].

Panasonic FX-301 Manual | Digital Fiber Sensor Guide | FX-301P

Explore the FX-301 manual, including detailed features for the Panasonic Navi sensor. Find everything about FX-301 and FX-301P here.

Panasonic FX-300 Series

Compact, high performance digital fiber optic sensors designed for easy use
Designed with ease of use in mind, the Panasonic FX-300 Series of digital fiber optic sensors offers a wide range of sensing

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 to reflect the modifications.

FX-301(P) INSTRUCTION MANUAL

PDF file

FX-301(P)-F INSTRUCTION MANUAL - Panasonic

When the fiber head gets dusty or dirty etc. the sensitivity deteriorates. To keep stable detection, wipe the fiber head to remove dust or dirt etc. and carry out sensitivity teaching periodically.

Panasonic Digital Fiber Sensor FX-301 User Manual

Fx-301, Digital fiber sensor • Read online or download PDF • Panasonic Digital Fiber Sensor FX-301 User Manual

FX-301 PANASONIC

PANASONIC FX-301 | Sensor: optical fiber amplifier; NPN; IP40; 12÷24VDC; 100mA -
This product is available in Transfer Multisort Elektronik. Check out our wide range of products.

FX-301(P)-F INSTRUCTION MANUAL

How to connect the fiber cable Make sure to connect the fiber attachment (FX-AT4), enclosed with the fiber, to the fibers. Refer to the Instruction Manual of the fiber attachment for the connecting method.

FX-301 PANASONIC, FIBER OPTIC SENSOR | Newark

Buy FX-301 - PANASONIC - FIBER OPTIC SENSOR. Newark Electronics offers fast quotes, same day dispatch, fast delivery, wide inventory, datasheets & technical

Digital Fiber Sensor FX-301B/G/H SERIES

All models Adoption of a “double coupling lens” that increases emission efficiency to its maximum limits and greatly increases sensing range. Sensing ranges with small diameter fibers and ultra-small

Digital Fiber Sensor For Leak/Liquid fiber FX-301(P)-F

Since the communication function of this sensor and that of the digital fiber sensor FX-301(P)/311(P) is different, if these models are mounted in cascade, do not use the communication function. In case of

Full text of "NEW"

Full text of "NEW" See other formats Word . the, > < br to of and a : " in you that i it he is was for - with) on (? his as this ; be at but not have had from will are they -- ! all by if him one your or up her there

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

This is the instruction manual for the Panasonic FX-301 (P), FX-301, FX-301-C1, FX-301P-C1, FX-301-HS, FX-303 (P) fiber sensor amplifiers. Learn about features, operation, and setup.

Digital Fiber Sensor FX-300 SERIES

* Use the optical communication function for only the same types of sensors. Furthermore, the FX-301-HS is not equipped with optical communication function capability.

Panasonic Digital Fiber Sensor FX-301 user manual

Stable long-term sensing Enhanced worksite-friendly installability For the first time the industry, an optical "double coupling lens" has been incorporated directly into the fiber sensor itself.

FX-301 Digital Fiber Sensor Manual

This instruction manual provides guidelines for the proper use and installation of the FX-301 Series Photoelectric Sensor and Digital Fiber Sensor. It includes safety warnings, mounting instructions,

FX-301P□Digital Fiber Sensor FX-300

Panasonic [FX-301P], Digital Fiber Sensor FX-300, Part number detail page. Detailed specification of is here.

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://estlascleaning.co.za>

Email: info@estlascleaning.co.za

Phone: +27 63 214 8579

Address: 22 Oxford Road, Parktown, Johannesburg, 2193, South Africa

This document is for informational purposes only. Specifications subject to change without notice.

