

How to set the sensitivity of an FX301 fiber optic sensor



Article Overview

The FX301 Fiber Optic Sensor allows sensitivity adjustment via automatic or manual threshold fine-tuning using the MODE indicator and Jog switch on the amplifier.

Automatic Sensitivity Setting

The FX301 is factory-configured with automatic sensitivity, which optimizes detection based on the connected fiber and environmental conditions. This mode is suitable for most applications and ensures stable operation without manual intervention. The sensor uses EEPROM memory to store settings, allowing reliable operation over repeated use .

Manual Sensitivity Adjustment

For precise control, the threshold value can be fine-adjusted manually:

- Press the MODE key to activate the MODE/ADJ (yellow) indicator .
- Use the Jog switch:
 - Turn to the “+” side to increase sensitivity (higher threshold).
 - Turn to the “-” side to decrease sensitivity (lower threshold).
- Pressing the Jog switch confirms the new threshold, which blinks three times to indicate acceptance .

Fiber Insertion and Locking...

Article Content

PANASONIC FX-301 SERIES INSTRUCTION MANUAL Pdf Download

While in RUN mode, press <MODE> + the jog switch for at least 2s to set or release the key lock function. When the keys are locked,

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

DIGITAL FIBER SENSOR FX 301/302/303

MODE indicator ... RUN (Green) Lights up during normal sensing operation. TEACH (Yellow) When this indicator lights up, the

FX-301 Instruction Manual

Be sure to use the optional quick-connection cable when connecting to the connector type sensor FX-301 (P). Avoid dust, dirt and

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

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

PANASONIC FX-301-F INSTRUCTION MANUAL Pdf

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

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

4 Digital Fiber Sensor FX-301B/G/H SERIES SPECIFICATIONS ... Notes: 1) Where measurement conditions have not been

Digital Fiber Sensor FX-301-F Instruction Manual | Manualzz

Below you will find brief information for Digital Fiber Sensor FX-301-F, Digital Fiber Sensor FX-301P-F. The FX-301 (P)-F Digital Fiber

Panasonic Digital Fiber Sensor FX-301 User Manual

Our new fiber cutter utilizes a specially developed two-in-one fiber attachment that now makes it possible to cut two fibers

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

4 CAUTIONS 1 SPECIFICATIONS

Digital fiber sensor FX-301(P) has been modified since production in June. 2004.
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Panasonic Industrial Automation FX-301 Plastic Fibre Optic Sensor, 10 ...

The FX-300 series of digital fiber optic sensors offers a wide range of sensing possibilities in a compact, high-performance unit.

Digital Fiber Sensor for Leak Detection / Liquid Detection Fibers Only

Individual teaching mode (TEACH) After you select the FD-F7 series or the FT-F9 series with the jog switch, the optimum threshold

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

FX-301-F7 INSTRUCTION MANUAL

If Jog switch is pressed for 3 sec., or more, when MODE indicator / ADJ (yellow) lights up, the sensitivity can be fixed to low

FX-301(P)-F INSTRUCTION MANUAL

The sensitivity selection function is set to the automatic sensitivity setting " " at the time of factory shipment. In case sensitivity

FX-301(P) INSTRUCTION MANUAL

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FX-500 Series Instructions

FX-501, FX-502, FX-505 -C2 Series Thank you for purchasing products from Panasonic Electric Works SUNX Co., Ltd. Please read

Panasonic FX-301 Series Digital Fiber Sensors

For the first time in the industry, an optical "double coupling lens" has been incorporated directly into the fiber sensor itself. This lens

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

Digital Fiber Sensor FX-300 SERIES

This greatly reduces troublesome setup tasks and makes setup much smoother. In addition, troublesome adjustment operations at

Panasonic Digital Fiber Sensor FX-301 Specification Sheet

Page 55 FX-301-F Digital Fiber Sensor for Leak Detection / Liquid Detection Fibers Only * UL 61010C-1 compatible, Passed the UL

Panasonic FX-301 User Manual

For the first time in the industry, an optical "double coupling lens" has been incorporated directly into the fiber sensor itself. This lens

Contact Us

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