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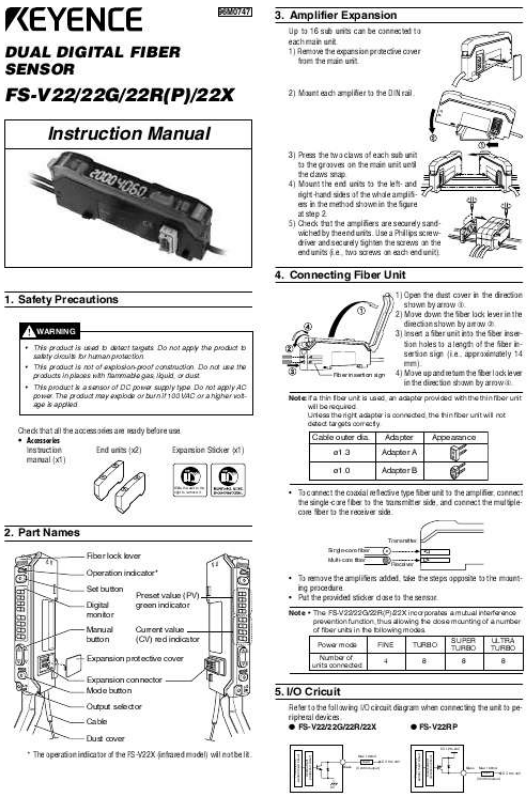
You can read the recommendations in the user guide, the technical guide or the installation guide for KEYENCE FS-V22R. You'll find the answers to all your questions on the KEYENCE FS-V22R in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual KEYENCE FS-V22R
User guide KEYENCE FS-V22R
Operating instructions KEYENCE FS-V22R
Instructions for use KEYENCE FS-V22R
Instruction manual KEYENCE FS-V22R



KEYENCE

DUAL DIGITAL FIBER SENSOR

FS-V22/22G/22R(P)/22X

Instruction Manual

1. Safety Precautions

2. Part Names

3. Amplifier Expansion

4. Connecting Fiber Unit

5. I/O Cricuit

Your user manual
KEYENCE FS-V22R

Manual abstract:

flash when the settings are completed. G Positioning Calibration In this mode, a workpiece will be detected when the front edge of the workpiece has reached a preset position. 1) Press the set button for a moment without the workpiece in the sensing area (i.e., in front of the fiber unit). Workpiece · When the setting is finished, the digital monitor will display the PV in green. PV (green) G Two-point Calibration In this mode, the PV used will be the mean value of two sensing values obtained with and without a workpiece. 1) Press the set button for a moment without the workpiece in the sensing area (i.e., in front of the fiber unit).

Workpiece 2) Locate the workpiece in the sensing area (i.e., in front of the fiber unit). Then press the set button for a moment. Workpiece CV (red) The display will be lit when the workpiece is detected.

2) Locate the front edge of the workpiece in the sensing area. Then press the set button for a minimum of three seconds. Workpiece Front edge 3 s min. The display will flash for a moment when the setting is finished. Then the PV will be displayed.

*7. Selecting Output The display will be lit when the workpiece is detected. Either light-ON mode or dark-ON mode is selectable. Press the mode button. * If there is extremely little difference in sensitivity between the sensing values, the display will flash on completion of tuning. G Maximum Sensitivity Setting If the sensing performance of the sensor drops due to dust or dirt, set the sensitivity of the sensor to maximum. 1) Press the set button without a workpiece if the fiber unit is a reflective model. Press the set button with a workpiece if the fiber unit is a through-beam model. In both cases, press the set button for a minimum of three seconds. "Reflective model" "Through-beam model" 3 s min.*

*The display will flash for a moment when the setting is finished. Then the PV will be displayed. * If the sensing distance is insufficient, make sensitivity settings in the sensor in two-point tuning mode. Workpiece The PV will appear when the settings are completed. The display indicates that the sensor is in dark-ON mode. The CV will be displayed if no buttons are operated for approximately five seconds. Press the manual button within five seconds after pressing the mode button . · Take the same steps to set the sensor to light-ON mode again. 8. User-friendly Functions G Access Mode Selection Two modes are available to the display of values and menu items.*

EASY FULL Only basic functions are displayed. All available functions are displayed. Press 3 s min. Select Completion of selection Press 3 s min. EASY FULL · The mode is set to EASY before shipping.

2 q Display Selection (Access Mode: EASY) PV CV q Menu Selection (Access Mode: FULL) Press Press Press Access mode selection Press the mode button 3 s min Normal operation use Power mode selection Press FINE Used if the sensing distance is insufficient TURBO while the sensor is in fine mode. Used if the sensing environment is SUPER TURBO bad due to dust or other obstacles. Used if the incident is insufficient while ULTRA TURBO the sensor is in SUPER TURBO mode. Used to detect sensing objects HIGH SPEED moving at high speed. Used to detect delicate differences HIGH RESO- within a short sensing distance.

*LUTION Timer OFF (for normal operation use) OFF-delay timer ON-delay timer One-shot timer Excess gain CV Output Power status mode status · The current value will be displayed if no keys are operated for approximately 30 s. · If the timer function is set, the output status with power mode and the timer mode with set time will be displayed alternately. · The CV is displayed in percent based on the PV. Select Press q Display Selection (Access Mode: FULL) PV CV Timer function setting Select Press Press Press Other than Excess gain Output status CV Power mode status Press Power mode , S-APC mode setting Press Other than Power mode , Timer adjustments Timer adjustment range 1~30ms 1-ms increments 30~50ms 2-ms increments 50~200ms 10-ms increments 200~500ms 50-ms increments * A maximum error of ±10% of the PV. OFF (for normal operation use) Used to detect sensing objects highly precisely under clean environments..*

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