

OMRON

ST SAFETY, TECHNOLOGY & INNOVATION

Model **F39-GIF**
Interface Unit for F3SG Safety Light Curtain

EN

Instruction Sheet

Thank you for purchasing Interface Unit for F3SG Safety Light Curtain. Read this document and user's manuals of F3SG-R and Configuration Tool (SD Manager 2) thoroughly to understand and make good use of the descriptions before installing and operating the product. Keep this document at the place where the operator can refer to whenever necessary.

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Original Instruction

9600137-6A

Safety Precautions

●Meaning of Signal Word

WARNING

Indicates a potentially hazardous situation which, if not avoided, will result in minor or moderate injury, or may result in serious injury or death. Additionally there may be significant property damage.

CAUTION

Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury or in property damage.

WARNING

Do not use this product in wet or moist environments. Doing so may result in electric shock or damage to the product.



Do not connect each line of F3SG to a DC power supply of higher than 24 VDC+20%. Also, do not connect it to an AC power supply. Failure to do so may result in electric shock.



Do not use this product and F3SG in an environment with excessive noise. Doing so may cause proper setting changes to fail and unintended function setting change may cause a person to go undetected, resulting in serious injury.



Do not try to disassemble, repair, or modify this product. Doing so may cause the functions to stop working properly.



Do not use this product in environments where flammable or explosive gases are present. Doing so may result in explosion.



Do not connect the dedicated cables of this product with another device. Doing so may damage the device.



CAUTION

Make sure to connect the cables properly to prevent them being disconnected during settings.



Precautions for Safe Use

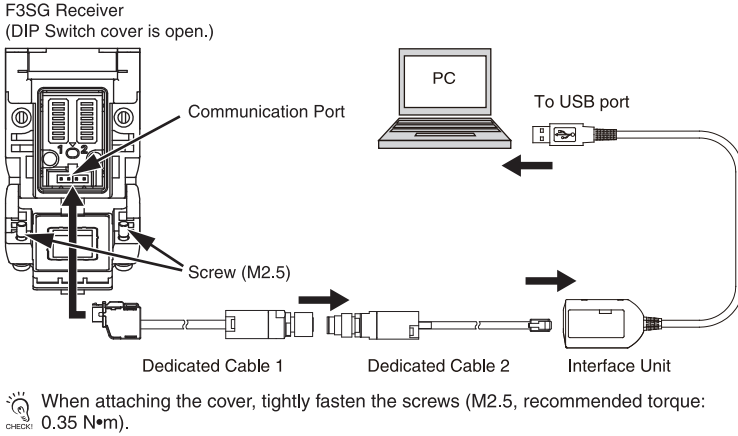
Make sure to observe the following precautions that are necessary for ensuring safe use of the product.
Do not use the product in the following types of environments:
• Areas exposed to intense interference light, such as direct sunlight
• Areas with high humidity where condensation is likely to occur
• Areas where corrosive gases are present
• Areas exposed to vibration or shock levels higher than in the specification provisions
• Areas where the product come into contact with water
• Areas where the product may come into contact with oils that may break down adhesives
Do not drop the product.
Dispose of the product in accordance with the relevant rules and regulations of the country or area where the product is used.

Precautions for Correct Use

Observe the precautions described below to prevent operation failure, malfunctions, or undesirable effects on product performance.
■ Settings
When the F3SG is disconnected while the SD Manager 2 is running, a communication error occurs and the data being edited is cancelled.
■ Cleaning
Do not use thinner, benzene, or acetone for cleaning. They may affect the product's resin parts.
■ This is a Class A product (for industrial environments). In a residential environment, it may cause radio interference, in which case the user may be required to take appropriate measures.

Wiring

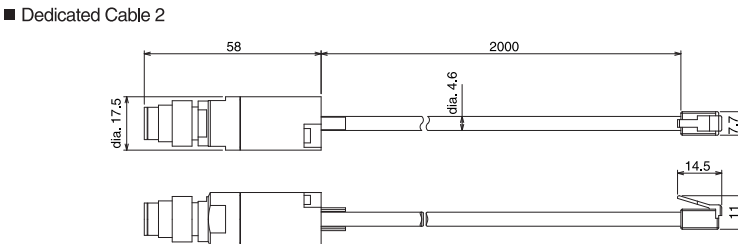
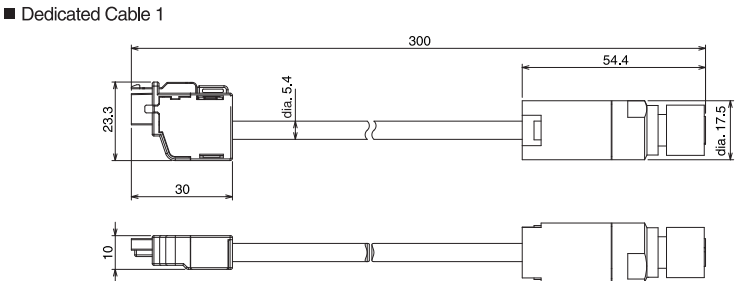
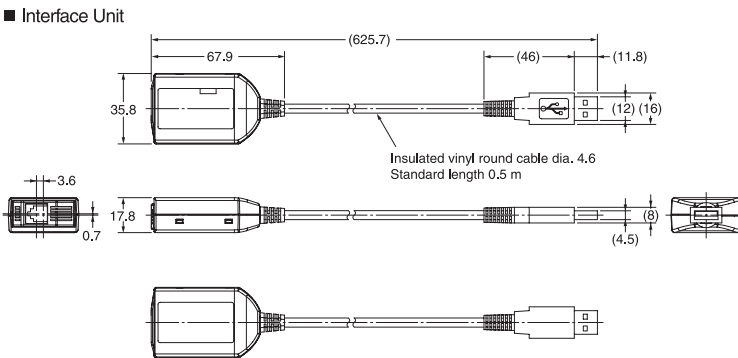
- How to Connect
1. Make sure that the F3SG is powered off. Unscrew the screws (M2.5) of the DIP Switch cover of the F3SG receiver and open the cover.
 2. Connect the Dedicated Cables 1 and 2 and Interface Unit as shown below.
 3. Insert the connected cables to the USB port of the PC and the Communication Port of the F3SG receiver.
 4. Turn on the power of the F3SG.
 5. Run the SD Manager 2.



- Wiring of F3SG
Refer to wiring diagrams in the F3SG-R Series User's Manual.

- How to Disconnect
1. Quit the SD Manager 2.
 2. Turn OFF the F3SG.
 3. Disconnect the product from the F3SG and the PC.
 4. Close the DIP Switch cover and tighten the screws (M2.5).

Dimensions



Troubleshooting

Status	Corrective Action
Communications cannot be established	Check connectors if they are loose or detached.
	Check if models of receivers are matched. The sensor may have transitioned to the Lockout state due to unmatched models.)
	Check if a COM port is properly configured.
	The F3SG is under the Setting state. Turn OFF and ON the power of the F3SG.
F3SG does not go back to normal state after terminating SD Manager 2	Check the noise level in the environment.
	Restore the factory default setting by Setting Recovery, and make settings again.

Reference Manuals

Document Title	Cat. No.
Safety Light Curtain F3SG-R Series User's Manual	Z352-E1
Safety Light Curtain F3SG Configuration Tool (SD Manager 2) User's Manual	Z357-E1

In the interest of product improvement, specifications are subject to change without notice.

For more information, visit



http://www.ia.omron.com/f3sg-r_tool

Suitability for Use

Omron Companies shall not be responsible for conformity with any standards, codes or regulations which apply to the combination of the Product in the Buyer's application or use of the Product. At Buyer's request, Omron will provide applicable third party certification documents identifying ratings and limitations of use which apply to the Product. This information by itself is not sufficient for a complete determination of the suitability of the Product in combination with the end product, machine, system, or other application or use. Buyer shall be solely responsible for determining appropriateness of the particular Product with respect to Buyer's application, product or system. Buyer shall take application responsibility in all cases.

NEVER USE THE PRODUCT FOR AN APPLICATION INVOLVING SERIOUS RISK TO LIFE OR PROPERTY WITHOUT ENSURING THAT THE SYSTEM AS A WHOLE HAS BEEN DESIGNED TO ADDRESS THE RISKS, AND THAT THE OMRON PRODUCT(S) IS PROPERLY RATED AND INSTALLED FOR THE INTENDED USE WITHIN THE OVERALL EQUIPMENT OR SYSTEM.
See also Product catalog for Warranty and Limitation of Liability.

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