Precautions for Safe Use
Do not install the product in the following types of environments:
- Areas where sudden temperature change occurs
- Areas with high humidity where condensation is likely to occur
- Areas where oil mist or corrosive gases are present
- Areas exposed to vibration or shock levels higher than in the specification provisions
- Areas where the pollution degree is harsher than 3, such as outdoor environment
- Areas where the product may get wet with oil that can solve adhesive

- Securely mount the product according to the torque recommended in this document.
- Always turn OFF the power when you connect the product to the F3SG-RA Safety Light Curtain.
- 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.
- Read and understand this document thoroughly before setting the DIP Switch.
- The rated life of the product is 6 years.

Precautions for Correct Use
- Storage conditions and installation environment
  - Do not install, use, or store the product for a long time at a temperature or humidity out of the specified range.
  - 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 and installation
  - Always use the product together with the F3SG-RA Safety Light Curtain.
- Periodic inspections and maintenance
  - Perform inspections according to the F3SG-R Series User’s Manual.
- Settings
  - Do not operate the DIP Switch with tools that may damage the product.
  - Make sure to test the operation of the product after setting with the DIP Switch to verify that the product operates as intended.
- Cleaning
  - Do not use thinner, benzene, or acetone for cleaning. They may affect the product’s resin parts.

Ratings/Specifications

<table>
<thead>
<tr>
<th>Item</th>
<th>F39-LP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applicable Sensor</td>
<td>F3SG-RA Series Safety Light Curtain (Receiver)</td>
</tr>
<tr>
<td>LED Light Color</td>
<td>Red/Green/Orange</td>
</tr>
<tr>
<td>Power Supply Voltage</td>
<td>24 VDC±20%, ripple p-p 10% max. (shares sensor’s power supply)</td>
</tr>
<tr>
<td>Current Consumption</td>
<td>25 mA max. (shares sensor’s power supply)</td>
</tr>
<tr>
<td>Ambient Temperature</td>
<td>Operating: -10 to 55°C, Storage: -25 to 70°C (non-icing and non-condensing)</td>
</tr>
<tr>
<td>Ambient Humidity</td>
<td>Operating: 35% to 85%, Storage: 35% to 95% (non-condensing)</td>
</tr>
<tr>
<td>Vibration Resistance</td>
<td>10 to 55 Hz, Multiple amplitude of 0.7 mm, 20 sweeps for all 3 axes</td>
</tr>
<tr>
<td>Shock Resistance</td>
<td>100 m/s², 1000 shocks for all 3 axes</td>
</tr>
<tr>
<td>Degree of Protection</td>
<td>IP65, IP67 (When attached to F3SG)</td>
</tr>
<tr>
<td>Type of Connection</td>
<td>Connectable to F3SG-RA’s terminal connector</td>
</tr>
<tr>
<td>Material</td>
<td>Lighting element: PC. Other body parts: PBT</td>
</tr>
<tr>
<td>Weight</td>
<td>45 g (when packaged)</td>
</tr>
</tbody>
</table>

Mounting Procedure
1. Remove the Cap (terminal connector) from the socket of the receiver body of the F3SG-RA Safety Light Curtain. Then insert the connector of the product to the socket.
2. Securely tighten the screw (M2.5, recommended torque: 0.35N•m).

How To Use
DIP Switch 1 is set to the ON position and DIP Switch 2 to the OFF position at factory default. When you use the product for the F3SG-RA Safety Light Curtain, make sure the DIP Switch is at these positions. [Illumination pattern]
Green light blinks to indicate Muting/Override Information.

Dimensions

Reference Manual
Document Title: Safety Light Curtain F3SG-R Series
Cat. No.: Z352-E1
In the interest of product improvement, specifications are subject to change without notice.

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.