

F3SN-A/F3SN-B/F3SH-A

- Lineup includes Type-4 Sensors (F3SN-A/F3SH-A) and Type-2 Sensors (F3SN-B) with IEC, EN, and JIS standard certification.

EC Machine Directive compliance (from DEMKO).

USA UL compliance for applications for the USA or Canada.

- Protective height equals the Sensor length to perfectly meet user needs.
- Protective height: 189 to 1,822 mm
Operating range: 7 or 10 m
- Setting Console enabling setting parameters for any model.
- LED bar for beam alignment or easy confirmation in error mode.
- A complete lineup of accessories.



Be sure to read the "Safety Precautions" on page 28 and the "Precautions for All Safety Sensors".

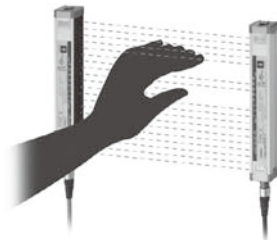
Features

Two Forms of Safety from OMRON: Safety Light Curtains and Multibeam Safety Sensors

Safety Light Curtains for Finger Protection

F3SN-A□□□□P14

- Operating range: 7 m
- Smallest detectable object:
14 mm dia. (beam gap: 9 mm)
- Protective height: 189 to 1,125 mm

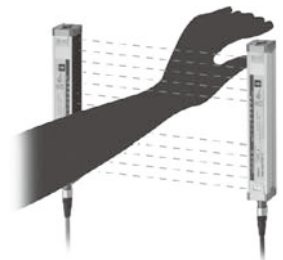


Safety Light Curtains for Hand Protection

F3SN-A□□□□P25

F3SN-B□□□□P25

- Operating range: 10 m
- Smallest detectable object:
25 mm dia. (beam gap: 15 mm)
- Protective height: 217 to 1,822 mm



Presence Detection in Danger Zones (Horizontal Installation)

F3SN-A□□□□P40/P70

F3SN-B□□□□P40/P70

- Operating range: 10 m
- Smallest detectable object: 40 mm dia. (beam gap: 30 mm) or
70 mm dia. (beam gap: 60 mm)
- Protective height:
F3SN-A: 217 to 1,822 mm
F3SN-B: 217 to 1,777 mm



Multi-beam Safety Sensor for Body Protection

F3SN-A09P03

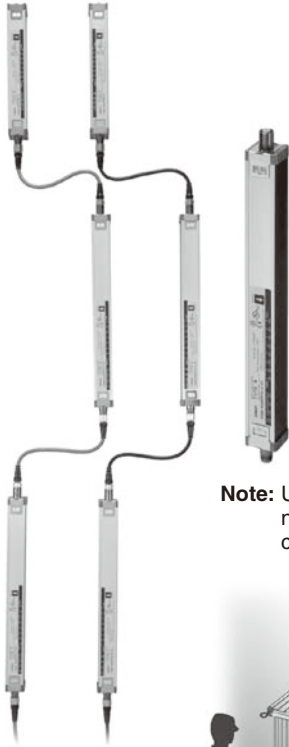
- Operating range: 10 m
- Number of beams: 4 (beam gap: 300 mm)



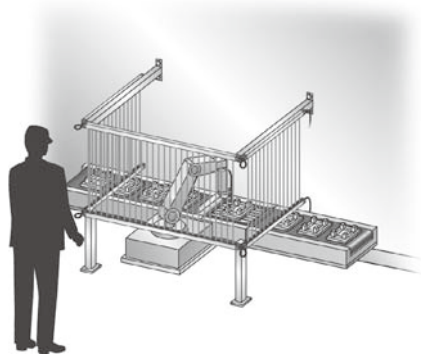
A New Concept to Meet User Needs

Connect Up To Three Sets in Series without Mutual Interference

Combine Standard Models with Linking Models with Connectors to connect up to three sets in series. Wiring is required only for one set instead of wiring all three sets, as would have been required previously, to enable protecting all sides of hazardous areas. Mutual interference protection is also provided.



Note: Use models with the following model number suffixes for series connection: -01, -03, -04, and -05



Many Connector Variations

Select the type of connector that best suits the machine. (Consult your OMRON representative.)

Standard: No model No. suffix	Model No. suffix: -01	Model No. suffix: -02	Model No. suffix: -03	Model No. suffix: -04	Model No. suffix: -05

Various Safety Functions Built into the Sensor. Supports Many Safety Circuit Configurations

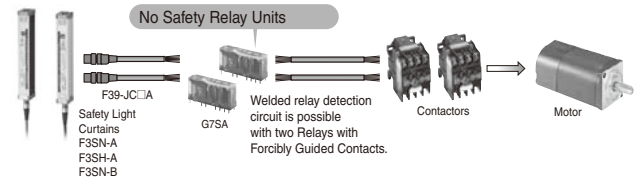
- Interlocks
- Auto-reset or manual reset
- External relay monitoring

Select the Safety Circuits for the Required Safety Standards

Build Circuits for Type 4 (F3SN-A/F3SH-A) or Type 2 (F3SN-B) with No Relay Units (2 Relays with Forcibly Guided Contacts)

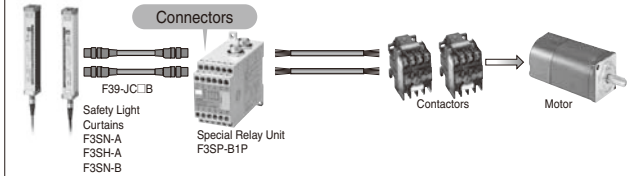
- Reduced Costs and Reduced Space Requirements

A built-in external relay monitor function eliminates the need for Safety Relay Units.



- Reduced Wiring and Easy Maintenance

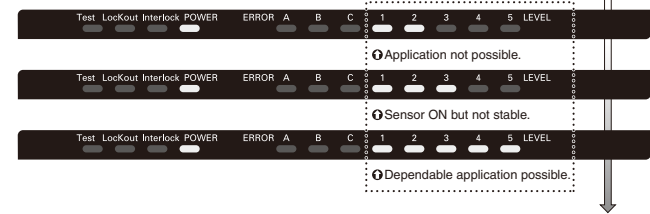
One-touch connection with connectors on both end to prevent wiring mistakes.



LED Bars for Easier Application

Align Beams with the LED Bar for Easier Installation

- Beam Alignment Indicators (Green Only)



Easily Discern Error Mode Displays to Back Up Safety

- Error Indication Example (Red Only)

