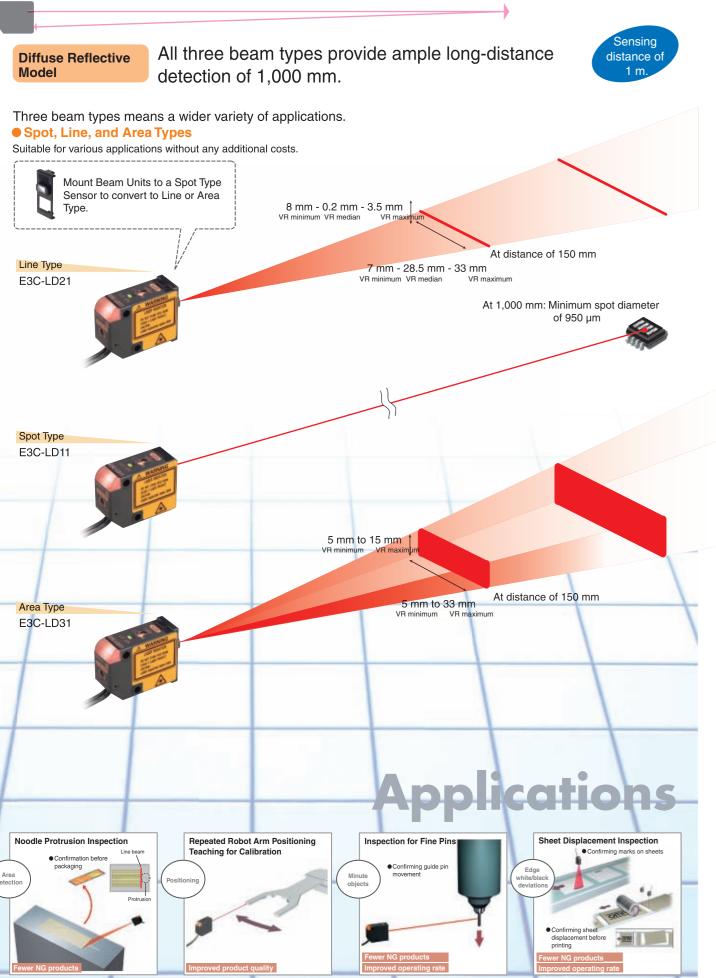
### Spot, line, and area types - Select from 3 optical systems.

Created to enable beam type selection.



A host of remarkable functions inside a compact body. A complete lineup of sensor heads to handle an even wider range of applications.



#### **OMRON Corporation** Regional Headquarters OMRON EUROPE B.V.

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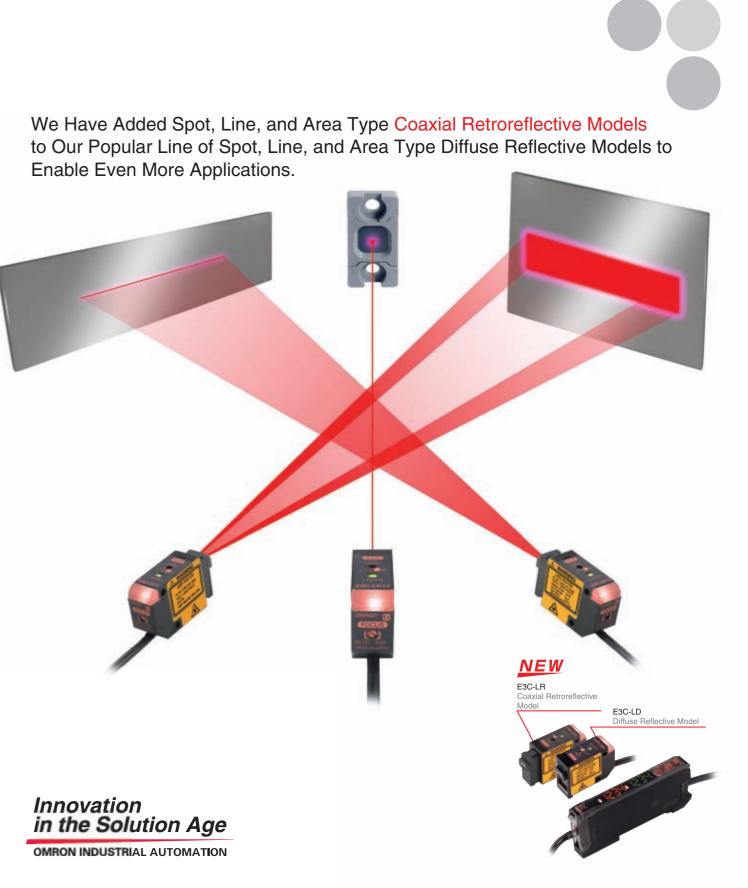
**Authorized Distributor** 

## OMRON

Photoelectric Sensors with Separate Digital Amplifiers

Laser Type

**E3C-LDA** Series



## Easy to Set and Highly Precise!

Versatile laser beam application.

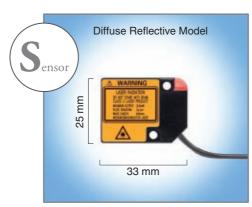


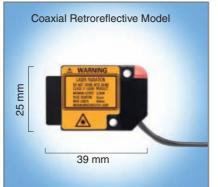
# Sensor

# Amplifier

### Industry-first Variable Focal Point and Optical Axis Alignment Mechanisms. Optimize for workpieces and improve inspection quality.

Two functions for simple adjustment and reliable detection for small workpieces.





Selectable beam sizes improve the reliability of detection with a variable focal point mechanism.

User-adjustable beam size (patent pending)

ariable Focal Point

The beam diameter

can be adjusted to

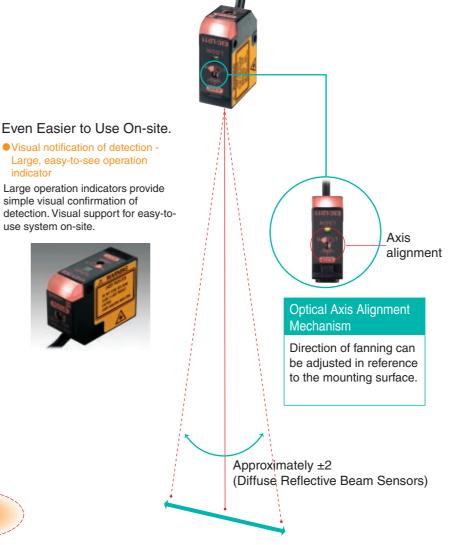
suit the workpiece.

**1echanism** 

use system on-site.

Use the optical axis alignment mechanism to easily adjust the optical axis. No more bothersome axis alignments.

 Perfect for long-distance positioning applications (patent pending)



### E-Con\* Connectors make Sensor Heads easier

One-touch Connector between Sensor Head and Amplifier Allows repeated connection when replacing sensors, when wiring, or during maintenance. Reduced inconsistencies or mistakes by maintenance staff through simple connection procedure and reliable

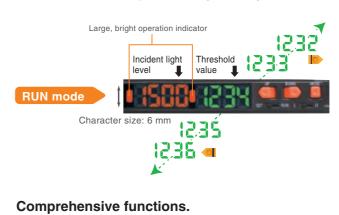
#### \*Connectors Comply with E-Con Specifications

to connect.

Specifications meet the current standardization trends of FA device and connector manufacturers. Connection is simple: No special tools are required.

#### Clear, large, easy-to-read Intelligent Display.

Two easy-to-read digital displays with large characters Thresholds can be set easily while checking incident light levels.



- Dual digital display makes sensitivity adjustments easy.
- A variety of display modes to assist settings and operation.
- High-speed response (80 us: E3C-LDA21/51/7/9)
- High-precision mode (long distance, high resolution)
- Interference prevention (10 Units: Standard/High-resolution mode. Can be used together with E3X-DA-S-series Fiber Amplifiers.)
- Select 2 outputs or 1 output and 1 input (depending on
- · Differential function and counter function
- Zero reset function and timer function

### Drive the Laser with an Amplifier the Same Size as a Digital Fiber Amplifier.

Intelligent display with the Mobile Console: The ultimate in easy operation.

Refer to the E3X-DA-S Digital Fiber Sensor datasheet (Cat. No. E336) for details.



### Flexible control using a Mobile Console.

A Mobile Console can be used for remote operation from the Sensor Head when the Sensor Head and Amplifier Unit are separated by a considerable distance.

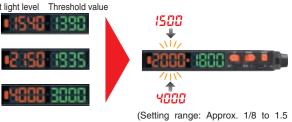


#### Optimal light level setting and power tuning function made possible by digital operation.

■Display values on different Sensors can be unified exactly.

You can easily control settings even when multiple Sensors are used

because the same incident light levels and threshold value settings can be made for the same application.



times initial setting)