NEW

OMRON

New Models That Eliminate Worries about Digital Sensor Setting Mistakes

Limited-function Models: Simple and Easy

Easy and Reliable Digital Sensors with the Same Detection Performance as Previous Models

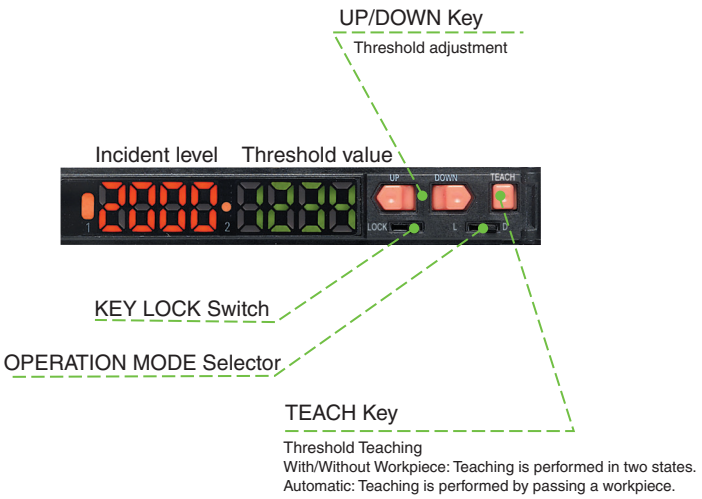
Digital Fiber Sensors
E3X-DA□SE-S

- One-key, one-operation concept for easy operation.
- Threshold value setting with direct operation performed while monitoring the detection status.
- Lock function to prevent operating errors through unintentional operation.

Technology

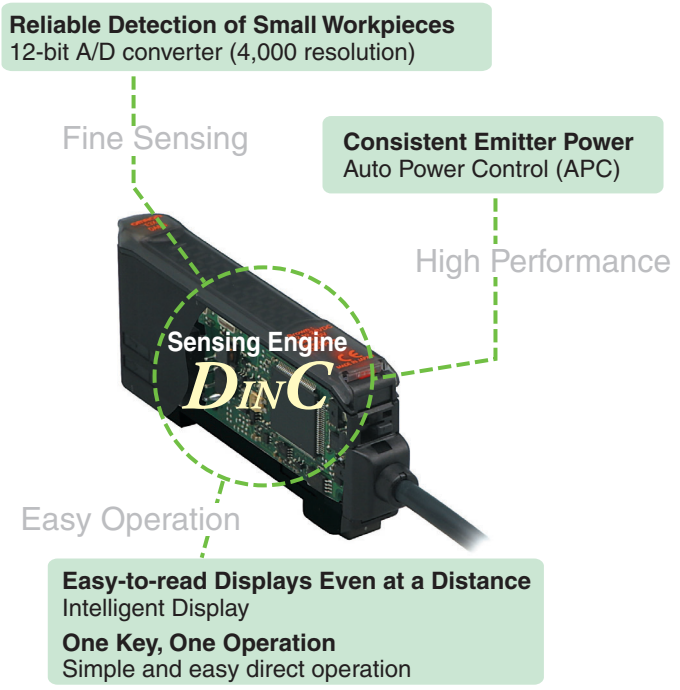
The Simplest Digital Fiber Sensor

Some people think that digital sensors with their advanced performance are difficult to use, so we went back to the drawing board to rethink performance and functions.
Without changing basic functions like APC and digital displays, OMRON created a Digital Fiber Sensor that can be used as easily as the familiar sensors with sensitivity adjustment knobs.



The *DINC* Engine for High-performance Sensing

OMRON's many years of accumulated sensing technology and high-speed digital processing techniques merge to meet onsite needs.
Our goal is high-performance sensing that provides easy, reliable application.



Ordering Information

Type	Appearance	Model	
		NPN output	PNP output
Pre-wired Models		E3X-DA11SE-S	E3X-DA41SE-S
Connector Models		E3X-DA6SE-S	E3X-DA8SE-S

Ratings and Specifications

Item		Model	Digital Fiber Sensor	
Type		NPN output	E3X-DA11SE-S	E3X-DA6SE-S
		PNP output	E3X-DA41SE-S	E3X-DA8SE-S
Light source (wavelength)			Red LED (650 nm)	
Power supply voltage			12 to 24 VDC ±10%, ripple (p-p): 10% max.	
Power consumption			960 mW max. (Power supply: 24 V, Current consumption: 40 mA max.)	
Control output			Load power supply: 26.4 VDC max., Open-collector output, Load current: 50 mA max. (Residual voltage: 1 V max.)	
Protection circuits			Power supply reverse polarity protection, Output short-circuit protection	
Response time			Operate or Reset: 1 ms	
Sensitivity setting			Teaching or manual adjustment	
Functions	Auto power control		High-speed control method for emission current	
	Mutual interference prevention		Optical communications sync, possible for up to 10 Units	
Indicators			Operation indicator (orange)	
Digital displays			Twin digital displays (incident level + threshold)	

Note: Basic performance is the same as the E3X-DA-S Series. Refer to the E3X-DA-S Datasheet (E336) for details.

This document provides information mainly for selecting suitable models. Please read the *Instruction Sheet* carefully for information that the user must understand and accept before purchase, including information on warranty, limitations of liability, and precautions.

Note: Do not use this document to operate the Unit.

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Authorized Distributor:

Note: Specifications subject to change without notice.

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