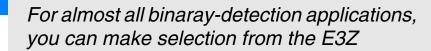
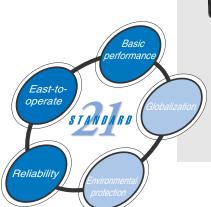
Photoelectric Sensor with Built-in Amplifier

E3Z





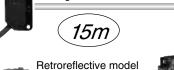


Features

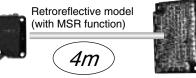
Basic performance

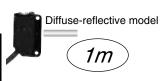
Photoelectric Sensor with built-in amplifier is applicable to a wide variety of lines and ensures a longer sensing distance than any other model.

Lineup of models corresponding to applications (thin beam, transparent, grooved)



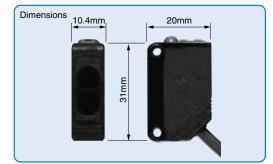
Through-beam Model











Globalization

Meets a variety of international standards, thus allowing use in any country.



Global network with 191 offices in 38 countries. M8-connector, PNP output types that meet

international standards are available.

Easy-to-operate

User-friendly Photoelectric Sensor takes all installation and on-site conditions into consideration.

A general-purpose connector ensures easy onsite installation!



The compact and space-saving model can be installed in any location.



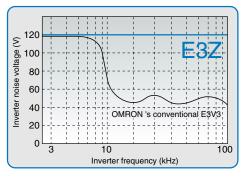
Reliability

Eliminates the influence of installation and on-site conditions, thus increasing the reliability of the line.

easy installation in any location.

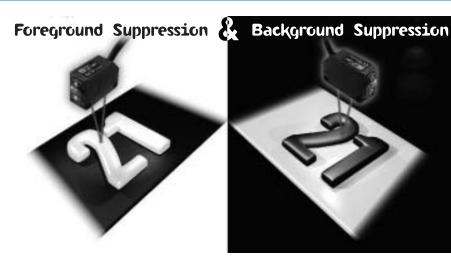


Highly water and dust-resistive and ensures Resists common-mode noise generated by inverters.



Stability

E3Z-series reliability covers a wide range of object/ background combinations, and ensure stable detection regardless of workpiece color or glossiness.

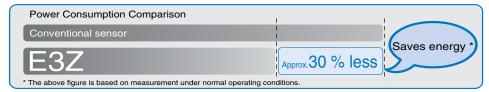


Environmental protection

Photoelectric Sensor with Built-in Amplifier



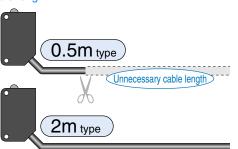
Earth-friendly energy-saving type.



10-quantity packing reduces waste cartons.



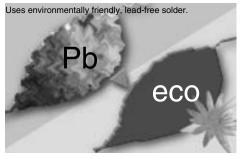
Standard models provided with a 0.5-m cable are available for the elimination of unnecessary cable length.



Packed in "combustible" polyethylene bags free of Styrofoam. *



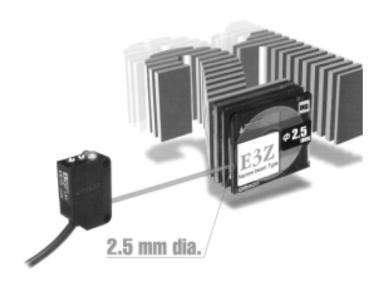
On-going elimination of materials containing lead.



Narrow Beam model

Ideal for detecting small objects with a small spot:

- Tiny objects as little as 0.1 mm in diameter can be detected with a 2.5-mm dia. spot.
- A thin beam enables detection through a gap or small hole.
- The small spot of light enables visual checking of sensing spot position.



Transparent PET bottles

Stable detection of thin-wall PET bottles adequate for recycling Standard-size transparent object sensor

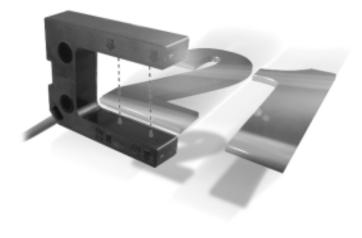
- Uses OMRON's unique optical system ("Inner View") that can detect various shapes of PET bottles and transparent objects.
- Detects a wide range of bottles from 500-ml bottles to
 2-I bottles, and from single bottles to sets of stocked bottles.

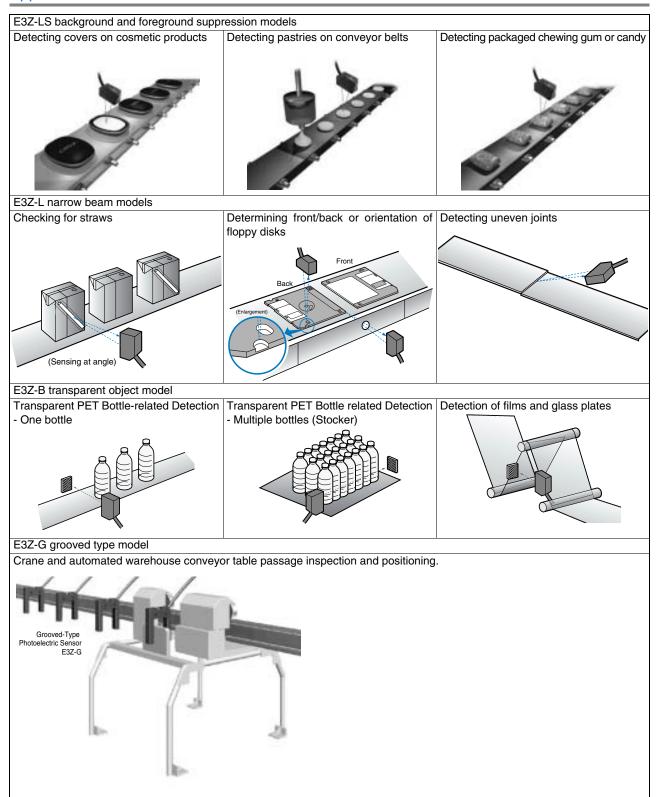


Reduced adjustment

Grooved design eliminates the need for optical axis adjustment.

●Two-axis models also available..





Sensors Red light Infrared light

Sensor type	Shape	Connection method	Sensing dis	tanco		odel
Sensor type	Snape		Sensing dis	olai ice	NPN output	PNP output
		Pre-wired models (2 m)*3	\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		E3Z-T61	E3Z-T81
Through-beam	\bigcap \bigcap	Connector type			E3Z-T66	E3Z-T86
mough-beam		Pre-wired models (2 m)*3	10m		E3Z-T61A	E3Z-T81A
		Connector type			E3Z-T66A	E3Z-T86A
Retroreflective		Pre-wired (2 m)*3	4	,	2 E3Z-R61	E3Z-R81
model (with M.S.R. function)	∏ ≒	Connector type	4m [100mm]		E3Z-R66	E3Z-R86
		Pre-wired models (2 m)*3	5 to 100 mm (wide vie	w)	E3Z-D61	E3Z-D81
Diffuse-reflective	ি +	Connector type			E3Z-D66	E3Z-D86
Diliuse-renective	\longrightarrow	Pre-wired models (2 m)*3, *4	1m		E3Z-D62	E3Z-D82
		Connector type			E3Z-D67	E3Z-D87
Thin beam type reflective model	<u> </u>	Pre-wired models (2 m)*3	90±30mm		E3Z-L61	E3Z-L81
reflective model		Connector type	- CO 200111111		E3Z-L66	E3Z-L86
Distance-settable	□ +	Pre-wired models (2 m)*3	20 mm 40 mm BGS (at min. setting) BGS (at max. setting)	200 mm Incident I light level I threshold (fixe	E3Z-LS61	E3Z-LS81
Diotarios sottable	M	Connector type	FGS (at min	FGS (at max. setting)	E3Z-LS66	E3Z-LS86
Transparent PET		Pre-wired (2 m)*3		3	2 E3Z-B61	E3Z-B81
bottle type Retro- re-		Connector type	500mm [80mm]		E3Z-B66	E3Z-B86
flective model (with- out M.S.R. function)		Pre-wired models (2 m)*3	2m [100mm]	,	2 E3Z-B62	E3Z-B82
out ivi.5.H. function)	^1	Connector type			E3Z-B67	E3Z-B87
Grooved type	1	Pre-wired models			E3Z-G61	E3Z-G81
through-beam	2	(2 m)*3	25mm		E3Z-G62	E3Z-G82
model	1 2	Junction connector	2011111		E3Z-G61-M3J E3Z-G62-M3J	E3Z-G81-M3J E3Z-G82-M3J
td. Not offered Discour		l .				

- *1. Not attached. Please purchase the optional reflector (9 types) according to your application.
 *2. The sensing distance specified is possible when the E39-R1S used. Figure in parentheses indicate the minimum required distance between the Sensor and Re-
- *3. Models provided with a 0.5-m cable are available. When ordering, specify the cable length by adding the code "0.5M" to the model number (e.g., E3Z-T61 0.5M).
 *4. The connector joint type is available M12. Its model ends with -M1. (Example: E3Z-T61-M1J)

Accessories (Order Separately)

Slits

Slit width	Sensing distance (typical) E3Z-T E3Z-T A		Minimum sensing object (typical)	Model	Quantity
0.5 mm dia.	50 mm	35 mm	0.2 mm dia.	E39-S65A	
1-mm dia.	200 mm	150 mm	0.4 mm dia.	E39-S65B	
2-mm dia.	800 mm	550 mm	0.7 mm dia.	E39-S65C	One set (contains slits for both
0.5 x 10 mm	1 m	700 mm	0.2 mm dia.	E39-S65D	the emitter and receiver)
1 x 10 mm	2.2 m	1.5 m	0.5 mm dia.	E39-S65E	
2 x 10 mm	5 m	3.5 m	0.8 mm dia.	E39-S65F	

Sensor I/O Connectors

Size	Cable type	Shape		Shape Cable length		Model
		Straight		2 m		XS3F-M421-402-A
M8		Straight		5 m	4-wire type	XS3F-M421-405-A
IVIO		L-shaped		2 m	- 4 Wile type	XS3F-M422-402-A
	Ctandoud askla	L onapou		5 m		XS3F-M422-405-A
	Standard cable	Straight		2 m		XS2F-D421-DC0-A
M12 (for -M1J)		- · · · · · · · · · · · · · · · · · · ·		5 m	3-wire type	XS2F-D421-GC0-A
10112 (101 10110)		L-shaped		2 m	o who type	XS2F-D422-DC0-A
		2 onapod		5 m		XS2F-D422-GC0-A

Photoelectric Sensors

Reflectors

Not provided with retroreflective models

Name	Sensing distance (typical) *	Model	Quantity	Remarks
	3 m [100 mm] (Rated value)	E39-R1	1	
	4 m [100 mm] (Rated value)	E39-R1S	1	
	500 mm [80 mm]	E39-R1S	1	for E3Z-B□1/6
Reflectors	2 m [100 mm]	L09-1110	'	for E3Z-B 2/7
	5 m [100 mm]	E39-R2	1	
	2.5 m [100 mm]	E39-R9	1	
	3.5 m [100 mm]	E39-R10	1	
Fog preventing	500 mm [80 mm]	E39-R1K	1	for E3Z-B□1/6
1 og preventing	2 m [100 mm]	L39-1111X	'	for E3Z-B□2/7
Small reflector	1.5 m [50 mm]	E39-R3	1	
	700 mm [150 mm]	E39-RS1	1	
Tape Reflector	1.1 m [150 mm]	E39-RS2	1	
	1.4 m [150 mm]	E39-RS3	1	

Mutual interference prevention filter

Sensing distance	Shape/dimensions	Model	Quantity	Remarks
3 m	31.4 11.2 0.2	E39-E11	2 sets each for emitters and receivers (total of 4 pcs.)	Can be used with the through-beam E3Z-T A. The arrow represents the polarizing direction. Changing the polarizing direction of the two adjacent emitters and receivers prevents mutual interference.

Mounting Brackets

Shape	Model	Quantity	Remarks	Shape	Model	Quantity	Remarks
	E39-L153	1	Mounting Brackets		E39-L150	One set	
	E39-L104	1	J	4			Sensor adjuster Easy mounting to alumi- numframe/rail of conveyor
	E39-L43	1	Horizontal type mounting bracket	•	E39-L151	One set	or like, easy adjustment. For left-to-right adjustment
	E39-L142	1	Horizontal type protective cover bracket	60	E39-L93	One set	Sensor adjuster Easy mounting to aluminum frame/rail of conveyor
	E39-L44	1	Rear mounting bracket		200 200	3110 001	or like, easy adjustment. For vertical angle adjust- ment
	E39-L98	1	Protective cover bracket		E39-L144	1	Vertical protective cover bracket

Note: 1 .If a through-beam model is used, order two Mounting Brackets for the emitter and receiver respectively.
2 .For details, refer to the "Mounting bracket list".

^{*} Values in parentheses indicate the minimum required distance between the sensor and reflector.

Note: 1 .When using the reflector of other than the rated value, set the sensing distance to about 0.7 times of the typical example as a guideline.

2 .For details, refer to the "Reflector list".

	Sensor type	Throug	h-beam	Retroreflective	Diffuse-reflective	
				model (with M.S.R. function)	wide-beam	
Model	NPN output	E3Z-T61/T66	E3Z-T61A/T66A	E3Z-R61/R66	E3Z-D61/D66	E3Z-D62/D67
Item	PNP output	E3Z-T81/T86	E3Z-T81A/T86A	E3Z-R81/R86	E3Z-D81/D86	E3Z-D82/D87
Sensing distance	ce	15 m	10 m	4 m (100 mm) * (When using the E39-R1S) 3 m (100 mm) * (When using the E39-R1)	100 mm (White paper 100 x 100 mm)	1 m (White paper 300 x 300 mm)
Setting range						
Reflectivity char	racteristic					
Spot Diameter						
Standard sensir	ng object			Opaque: 75-mm dia. min.		
Min. sensing ob	ject				I	
Differential dista	ance	20%			20% max. of sensi	ng distance
Directional angl	е	Both emitter and receiver: 3° to 15°	Both emitter and receiver: 3° to 5°	2° to 10°	-	
Light source (wa	ave length)	Infrared LED (860 nm)	Red LED (700 nm)	Red LED (680 nm)	Infrared LED (860 nm)	
Power supply v	oltage	12 to 24 VDC ±10%,	ripple (p-p) : 10% max	(.		
Current consum	nption	emitter: 15 mA receiv	er: 20 mA	30 mA max.		
Control output				, load current 100 mA PNP output format) Li		
BGS / FGS sele	ection					
Protective circu	its	Protection from load s		Reverse polarity prot mutual interference p		circuit protection,
Response time		Operation or reset: 1	ms max.			
Sensitivity adjus	·					
Ambient illuminance Incandescent lamp: 3,000 lux max. Sunlight 10,000 lux max.						
Ambient temper	rature	Operating: -25°C to 5	5°C, Storage: -40°C to	o 70°C (with no icing o	or condensation)	
Ambient humidi	ty	Operating: 35% to 85	% RH, Storage: 35%	to 95% RH (with no ici	ng or condensation)	1
Insulation resist	ance	20 M Ω min. at 500 VI	DC .			
Dielectric streng	gth	1,000 VAC at 50/60 H	dz for 1 minute			

^{*} Values in parentheses indicate the minimum required distance between the sensor and reflector.

8 Photoelectric Sensors

Diffuse- reflective	Distance- settable		for PET bottles SR function)	Groov	red-type	
narrow-beam	551142.5		wide-beam			
E3Z-L61/66	E3Z-LS61/66	E3Z-B61/66	E3Z-B62/67	E3Z-G61	E3Z-G62	
E3Z-L81/86	E3Z-LS81/86	E3Z-B81/86	E3Z-B82/87	E3Z-G81	E3Z-G82	
90 ± 30 mm (White paper 100 x 100 mm)	BGS: White or black paper (100 x 100 mm): 20 mm to set distance FGS: White paper (100 x 100 mm): Set distance to 200 mm min. Black paper (100 x 100 mm): Set distance to 160 mm min.	500 mm (80 mm) * (When using the E39-R1S)	2 m (100 mm) * (When using the E39-R1S)	25 mm 1 optical axis	2 optical axis	
	White paper (100 x 100 mm): 40 to 200 mm Black paper (100 x 100 mm): 40 to 160 mm					
Refer to the diagram "Hysteresis Difference vs. Sensing Distance"	Black/white-error: 10% of set distance max.					
2.5 mm dia. (when sensing distance is 90 mm)						
	Transparent round PET bottle 500 ml (65 mm dia.)					
0.1 mm dia. (copper wire)						
Red LED (660 nm)	Red LED (680 nm)	Red LED (680 nm)		Infrared LED (860 nm)		
12 to 24 VDC ±1	0%, ripple (p-p) : 10% max.					
30 mA max				25 mA max.	40 mA max.	
	oly voltage 26.4 VDC max., load current 100 mA NPN/PNP output format) Light-ON/Dark-ON sw		oltage 1 V max.) C	pen collector out	put type	
	BGS: Open or connected to GND FGS: Connected to Vcc					
Reverse polarity	protection, output short-circuit protection, mutua	al interference pre	evention			
Operation or rese	et: 1 ms max.					
Single-turn adjustment	five-turn endless adjuster Single-turn adjustment					
Incandescent lan	np: 3,000 lux max. Sunlight 10,000 lux max.					
Operating: -25°C	to 55°C, Storage: -40°C to 70°C (with no icing	or condensation)				
Operating: 35% t	to 85% RH, Storage: 35% to 95% RH (with no id	cing or condensati	ion)			
20 MΩ min. at 50	00 VDC					
1,000 VAC at 50	/60 Hz for 1 minute					

E3Z 9

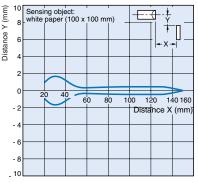
	Sensor type	Throug	h-beam	Retroreflective	Diffuse-r	eflective
			model (with M.S.R. function)	wide-beam		
ľ	Model NPN output	E3Z-T61/T66	E3Z-T61A/T66A	E3Z-R61/R66	E3Z-D61/D66	E3Z-D62/D67
Item	PNP output	E3Z-T81/T86	E3Z-T81A/T86A	E3Z-R81/R86	E3Z-D81/D86	E3Z-D82/D87
Vibration	resistance	10 to 55 Hz, 1.5-mm	or 300m/s ² double am	plitude for 2 hours eac	h in X, Y, and Z dire	ections
Shock res	sistance	Destruction: 500 m/s2	² for 3 times each in X	Y, and Z directions		
Protective	e structure	IEC 60529 IP67				
Connection method Pre-wired (standar			ength: 2 m/500 mm)/N	18 connector		
Indicator	lamp	Operation indicator (corange) only]	orange), stability indica	tor (green) [Note that	the emitter has the p	power indicator
Weight (Packed state)	Pre-wired models (with 2-m cable)	Approx. 120 g	65 g			
	Connector type	30 g		Approx. 20 g		
Material	Case	PBT (polybutylene terephthalate)				
	Lens	Methacylate resin				
Accessor	ies	Instruction manual (T	he Reflector or Mount	ng Bracket is not prov	ided with any of the	above models.)

Diffuse- reflective	Distance- Retro-reflective for PET bottles settable (without MSR function)		Groove	ed-type	
narrow-beam			wide-beam		
E3Z-L61/66	E3Z-LS61/66	E3Z-B61/66	E3Z-B62/67	E3Z-G61	E3Z-G62
E3Z-L81/86	E3Z-LS81/86	E3Z-B81/86	E3Z-B82/87	E3Z-G81	E3Z-G82
10 to 55 Hz, 1.5-	mm double amplitude for 2 hours each in X, Y,	and Z directions			
Destruction: 500	m/s ² for 3 times each in X, Y, and Z directions				
IEC 60529 IP67				IEC 60529 IP64	
Pre-wired (standa	ard length: 2 m/500 mm)/M8 connector		Pull-out cable type (standard ca- ble length: 2 m/500 mm) / connec- tor relay type (standard cable length: 300 mm		
Operation indicat	or (orange), stability indicator (green)			Operation indicat	tor (orange)
Approx. 65 g		65 g		I	
Approx. 20 g			30 g		
PBT (polybutylene terephthalate)			ABS		
Methacylate resin	te Denaturated polyallylate Methacylate resin				
Instruction manua	al (The Reflector or Mounting Bracket is not pro	vided with any of	the above models	s.)	

Operating Range

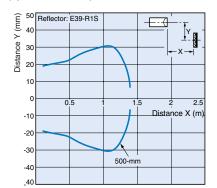
Narrow-beam

E3Z-L

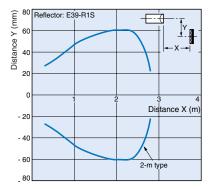


Retroreflective Models for transparent objects

E3Z-B□1/B□6 + E39-R1S (optional reflector)

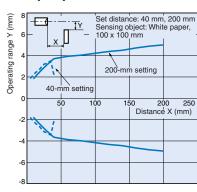


E3Z-B□2/B□7 + E39-R1S (optional reflector)

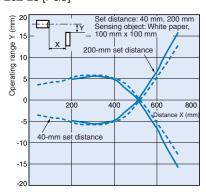


Distance-setting

E3Z-LS [BGS]

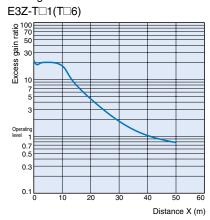


E3Z-LS [FGS]

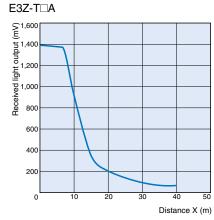


Excess Gain vs. Distance

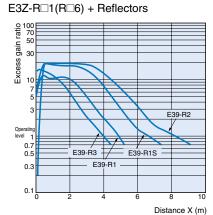
Through-beam



Through-beam



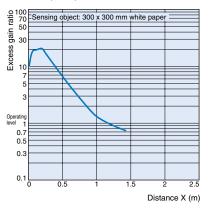
Retroreflective Models



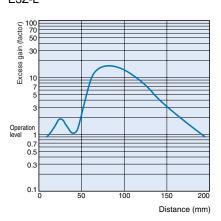
Diffuse-reflective E3Z-D□1(D□6)

0.7 0.5 0.3 Distance X (m)

Diffuse-reflective E3Z-D□2(D□7)



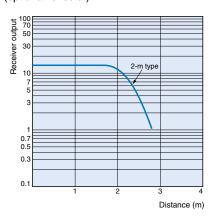
Narrow-beam E3Z-L



Retro-reflective for transparent objects E3Z-B□1/B□6 + E39-R1S (optional reflector)

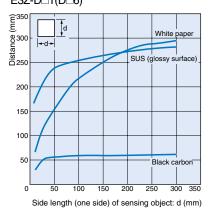
Receiver output 30 500-mm type 0.3 0.1 Distance (m)

E3Z-B 2/B 7 + E39-R1S (optional reflector)

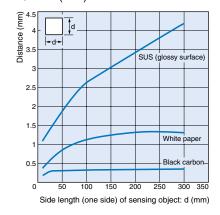


Distance vs. Size

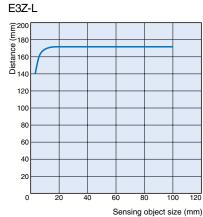
Diffuse-reflective E3Z-D□1(D□6)



Diffuse-reflective E3Z-D□2(D□7)



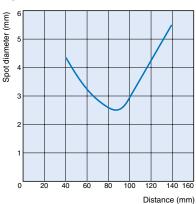
Narrow-beam



Spot diameter vs. Distance

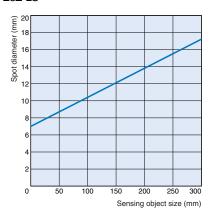
Narrow-beam

E3Z-L



Distance setting

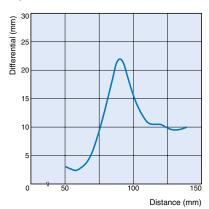
E3Z-LS



Differential travel / Hysteresis vs. Distance

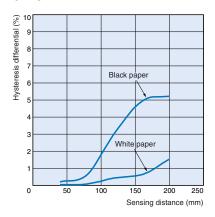
Narrow-beam

E3Z-L



Distance setting

E3Z-LS

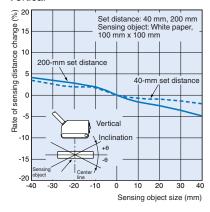


Inclination Characteristics

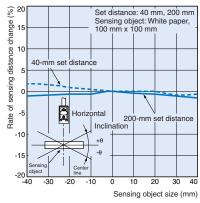
Distance setting

E3Z-LS

Vertical



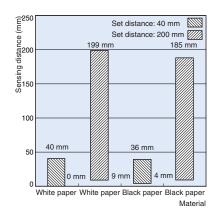
Horizontal



Short-distance Characteristics

Distance setting

E3Z-LS

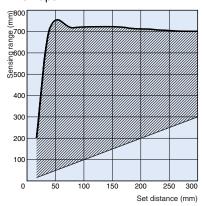


FGS Mode Set Distance vs. Sensing Range

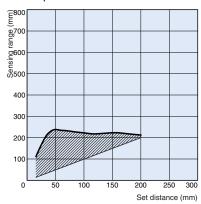
Distance setting

E3Z-LS

White Paper



Black Paper

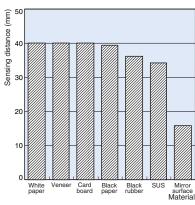


Sensing Distance vs. Material

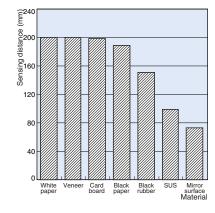
Distance setting

E3Z-LS

At Set Distance of 40 mm

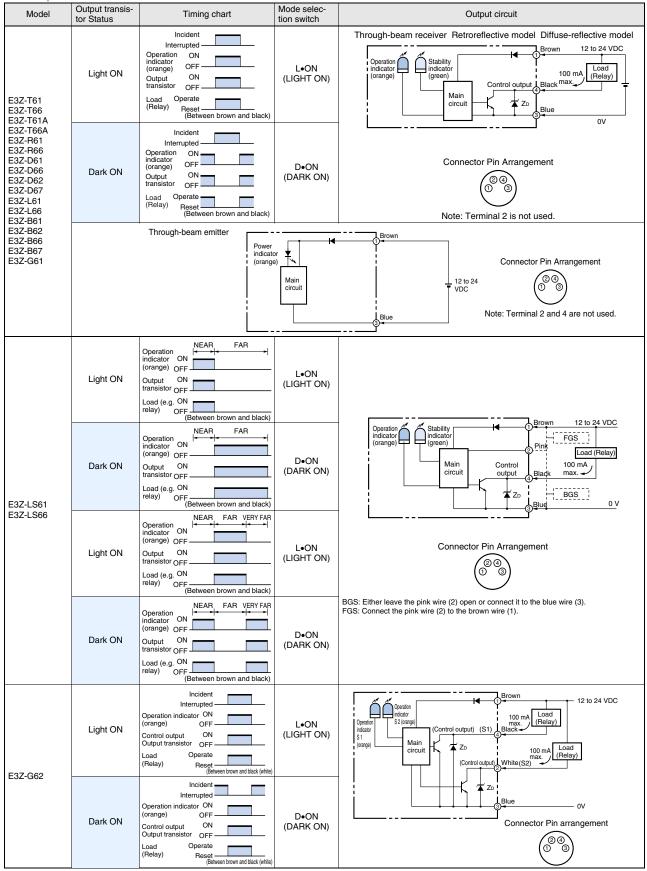


At Set Distance of 200 mm

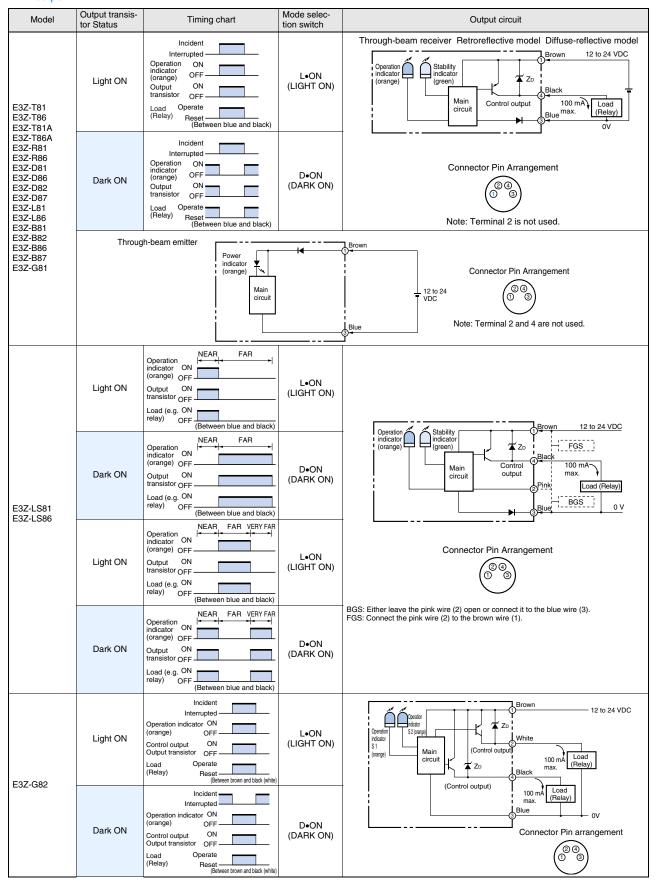


Output Circuit Diagram

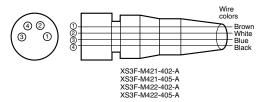
NPN output



PNP output



Connectors (Sensor I/O connectors)



Class	Wire, outer jacket	Connector pin		Application	
Olass	color	No.	Standard	E3Z-LS	E3Z-G62/82
	Brown	1	Power supply (+V)		
For DC	White	2		BGS / FGS selection	Output 2 (S2)
10100	Blue	3	F	Power supply (0 V	")
	Black	4	Ou	tput	Output 1 (S1)

Nomenclature:

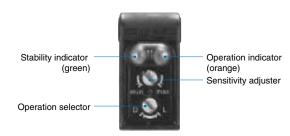
Through-beam

E3Z-T□□ Receiver E3Z-T□□A Receiver Diffuse-reflective

E3Z-D□□ E3Z-L□□

Retroreflective Models

E3Z-R□□ E3Z-B□□



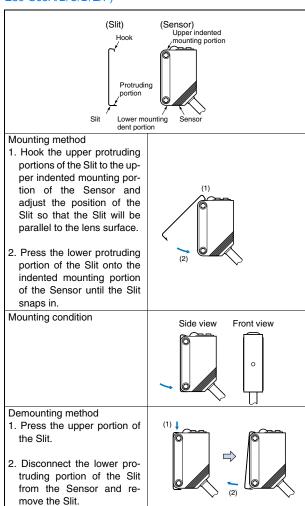
Distance-setting

E3Z-LS□□



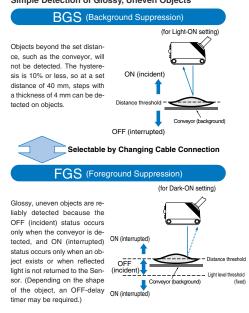
Operation

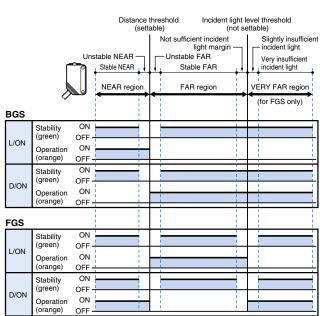
Slit for through-beam model (Optional accessory: E39-S65A/B/C/D/E/F)



BGS / FGS Application for distance setting E3Z-LS

Simple Detection of Glossy, Uneven Objects





Precautions



Do not connect an AC power supply to the Sensor. If AC power (100 VAC or more) is supplied to the Sensor, it may explode or burn.

Be sure to abide by the following precautions for the safe operation of the Sensor.

Wiring

Power Supply Voltage and Output Load Power Supply Voltage

Make sure that the power supply to the Sensor is within the rated voltage range. If a voltage exceeding the rated voltage range is supplied to the Sensor, it may explode or burn.

Load Short-circuiting

Do not short-circuit the load, otherwise the Sensor may be damaged.

Connection without Load

Do not connect the power supply to the Sensor with no load connected, otherwise the internal elements may explode or burn.

Operating Environment

Do not use the Sensor in locations with explosive or flammable gas.

Correct Use

Design

Power Reset Time

The Sensor is ready to operate 100 ms after the Sensor is turned ON. If the load and Sensor are connected to independent power supplies respectively, be sure to turn ON the Sensor before supplying power to the load.

Wiring

Avoiding Malfunctions

If using the Photoelectric Sensor with an inverter or servomotor, always ground the FG (frame ground) and G (ground) terminals, otherwise the Sensor may malfunction.

Mounting

Mounting the Sensor

- If Sensors are mounted face-to-face, make sure that the optical axes are not in opposition to each other. Otherwise, mutual interference may result.
- Always install the Sensor carefully so that the aperture angle range of the Sensor will not cause it to be directly exposed to intensive light, such as sunlight, fluorescent light, or incandescent light.

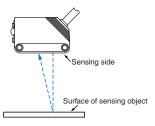
- Do not strike the Photoelectric Sensor with a hammer or any other tool during the installation of the Sensor, or the Sensor will lose its water-resistive properties.
- Use M3 screws to mount the Sensor.
- When mounting the case, make sure that the tightening torque applied to each screw does not exceed 0.54 Nm.

M8 Connector

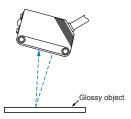
- Always turn OFF the power supply to the Sensor before connecting or disconnecting the metal connector.
- Hold the connector cover to connect or disconnect it.
- Secure the connector cover by hand. Do not use pliers, otherwise the connector may be damaged.
- If the connector is not connected securely, it may be disconnected by vibration or the proper degree of protection of the Sensor may not be maintained.

Distance setting models E3Z-LS

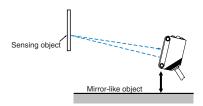
 Make sure that the sensing side of the Sensor is parallel with the surface of the sensing objects. Normally, do not incline the Sensor towards the sensing object.



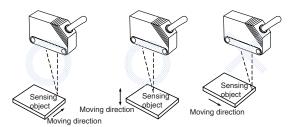
If the sensing object has a glossy surface, however, incline the Sensor by 5° to 10° as shown in the illustration, provided that the Sensor is not influenced by background objects.



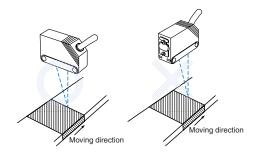
 If there is a mirror-like object below the Sensor, the Sensor may not operate stably. Therefore, incline the Sensor or separate the Sensor from the mirror-like object as shown below.



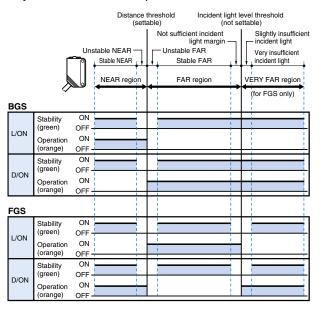
• Do not install the Sensor in the wrong direction. Refer to the following illustration.



Install the Sensor as shown in the following illustration if each sensing object greatly differs in color or material.



Adjustments-indicator operation



Note: 1 . If the stability indicator is lit, the detection/no detection status is stable

within the rated ambient operating temperature (-25 to 55°C).

2 .The VERY FAR region is supported only for FGS. The incident light threshold is fixed and cannot be set. The distance to the incident light threshold depends on the color and gloss of the sensing object's surRetro-reflective for transparent objects E3Z-B

Design

Bottles

The Sensor may be unable to achieve stable detection depending on the shape of bottles. Be sure to verify stable detection before using the Sensor.

Mounting

Sensor Mounting

If the Sensor fails to provide stable detection due to the shape of bottles, adjust the location and inclination of the Sensor.

Inspection and Maintenance

Cleaning

Never use paint thinners or other organic solvents to clean the surface of the product.

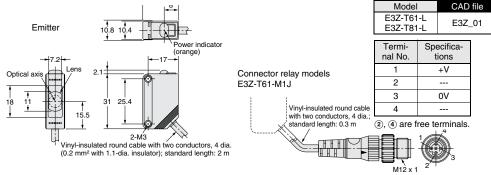
Dimensions (Unit: mm)

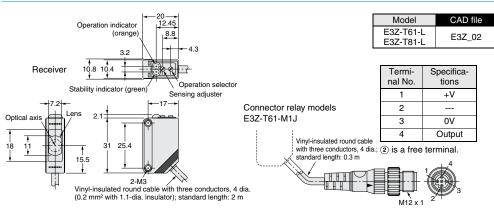
Sensors



E3Z-T61 E3Z-T81





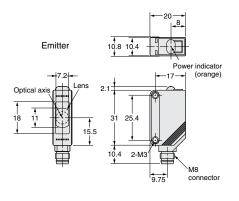


Through-beam

Connector type E3Z-T66

E3Z-T86 E3Z-T66A

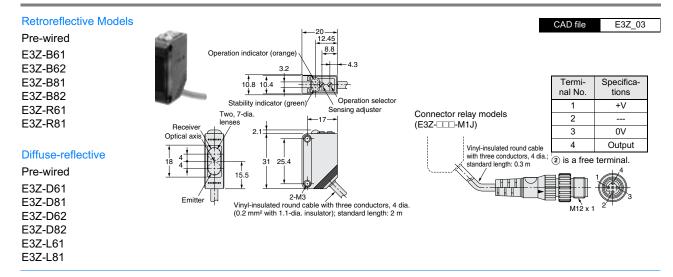




Model	CAD file
E3Z-T66-L E3Z-T86-L	E3Z_04

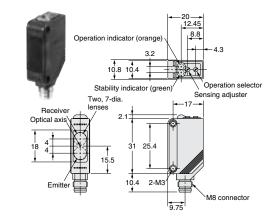
Receiver	Operation indicator (orange) 8.8 8.8 4.3 10.8 10.4 4.3
S	stability indicator (green) Operation selector
	Sensing adjuster
Optical axis	31 25.4 15.5 10.4 2-M3 MB connector

Model	CAD file
E3Z-T66-D E3Z-T86-D	E3Z_05



Retroreflective Models

Connector type E3Z-B66 E3Z-B67 E3Z-B86 E3Z-B87 E3Z-R66 E3Z-R86



CAD file E3Z_06

Diffuse-reflective

Connector type

E3Z-D66 E3Z-D86

E3Z-D67

E3Z-D87 E3Z-L66

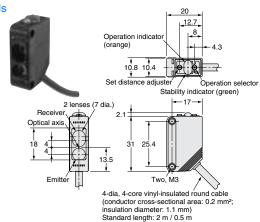
E3Z-L86

Distance-settable Models

Pre-wirde models

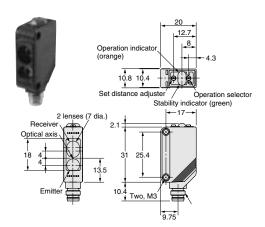
E3Z-LS61

E3Z-LS81



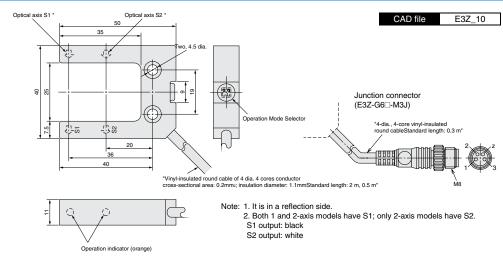
Distance-settable Models

Connector type E3Z-LS66 E3Z-LS86

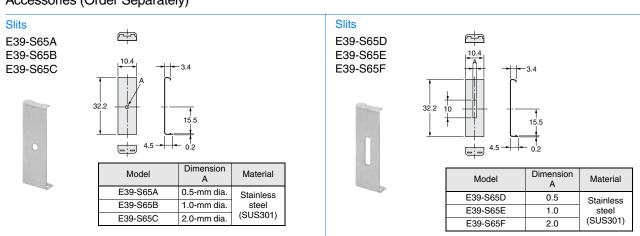


Grooved-type Models

E3Z-G



Accessories (Order Separately)



Cat. No. E701-E2-01 In the interest of product improvement, specifications are subject to change without notice.

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