

Built-in Power Supply Photoelectric Sensor

E3JK <NEW>

Long-distance Photoelectric Sensor That Supports AC/DC Power Supplies



- Long sensing distance that is approximately 8 times that of our conventional model (for the Through-beam and Diffuse-reflective models). (Through-beam: 40 m, Retro-reflective: 7 m, and Diffuse-reflective: 2.5 m.)
- Improved visibility:
 - A red LED that makes the spot visible.
 - Large indicators that can be seen even from a distance.
- Improved operability. (Enlarged sensitivity adjuster and operation selector)
- Freely selectable power supply input (24 to 240 VDC, 24 to 240 VAC). (Additional types added to the DC type lineup.)



For the most recent information on models that have been certified for safety standards, refer to your OMRON website.

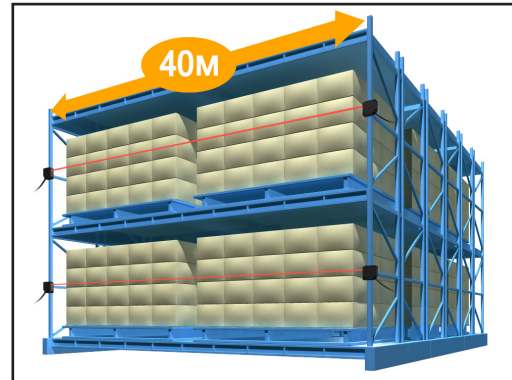
 Refer to the *Safety Precautions* on page 12.

Applications

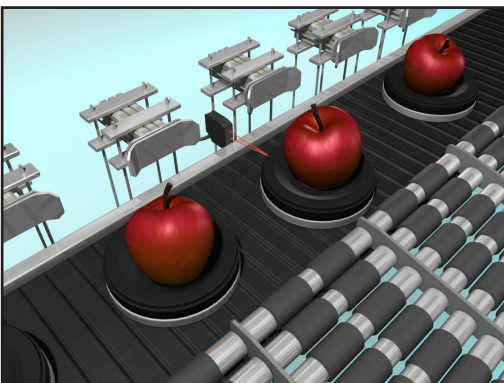
Elevator cage detection



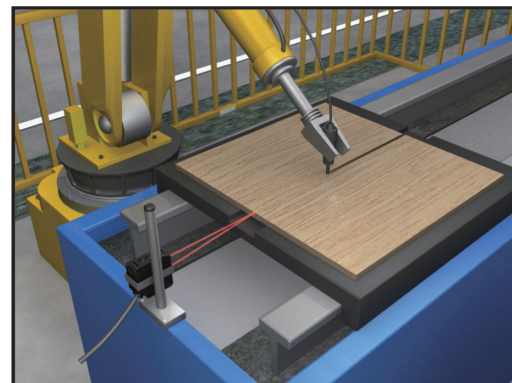
Detection of packages jutting out from their storage location



Pallet detection for agricultural produce conveyors



Workpiece detection for woodworking machines






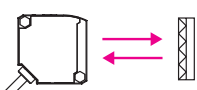

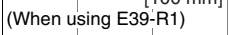
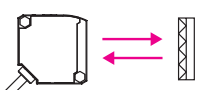

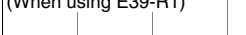
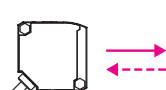


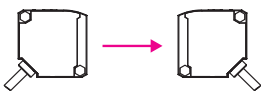


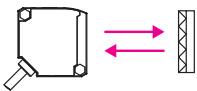

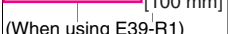
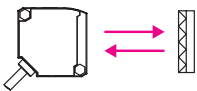


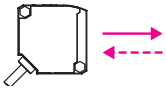

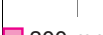
E3JK

Ordering Information

Sensors

 Red light

Sensors without Brackets or Reflectors

Power supply voltage	Sensing method	Appearance	Sensing distance	Output configuration	Model	
AC/DC power supply selectable type	Through-beam *1 (Emitter + Receiver)		 40 m	Relay	E3JK-TR11 2M	
			 5 m		E3JK-TR12 2M	
	Retro-reflective without MSR function		 7 m ^{*3} [100 mm] (When using E39-R1)	Relay	E3JK-RR11 2M	
			 11 m ^{*3} [100 mm] (When using E39-R2)			
	Retro-reflective with MSR function		 6 m ^{*3} [100 mm] (When using E39-R1)	Relay	E3JK-RR12 2M	
			 10 m ^{*3} [100 mm] (When using E39-R2)			
	Diffuse-reflective		 2.5 m	Relay	E3JK-DR11 2M	
			 300 mm		E3JK-DR12 2M	
	DC	Through-beam *1 (Emitter + Receiver)		 40 m	NPN	E3JK-TN11 2M
				 5 m	PNP	E3JK-TP11 2M
NPN					E3JK-TN12 2M	
PNP				E3JK-TP12 2M		
Retro-reflective without MSR function			 7 m ^{*3} [100 mm] (When using E39-R1)	NPN	E3JK-RN11 2M	
			 11 m ^{*3} [100 mm] (When using E39-R2)	PNP	E3JK-RP11 2M	
Retro-reflective with MSR function			 6 m ^{*3} [100 mm] (When using E39-R1)	NPN	E3JK-RN12 2M	
			 10 m ^{*3} [100 mm] (When using E39-R2)	PNP	E3JK-RP12 2M	
Diffuse-reflective			 2.5 m	NPN	E3JK-DN11 2M	
				PNP	E3JK-DP11 2M	
			 300 mm	NPN	E3JK-DN12 2M	
				PNP	E3JK-DP12 2M	

*1. Through-beam Sensors are sold in sets that include both the Emitter and Receiver.

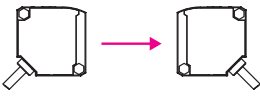


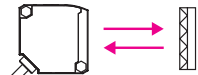


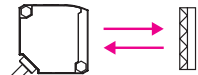

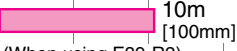
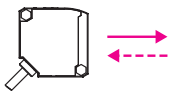


*2. A Reflector is not included. Purchase a Reflector separately to match the intended use of the Sensor.

*3. Values in parentheses indicate the minimum required distances between the Sensors and Reflectors.

 Red light

Sensors

Sensors with Brackets and Reflectors (The model numbers contain (“-C.”))

Power supply voltage	Sensing method	Appearance	Sensing distance	Output configuration	Model
AC/DC power supply selectable	Through-beam *1 (Emitter + Receiver)		 40m	Relay	E3JK-TR11-C 2M
			 5m		E3JK-TR12-C 2M
	Retro-reflective without MSR function		 7m *2 [100mm] (When using E39-R1)		E3JK-RR11-C 2M
			 11m *2 [100mm] (When using E39-R2)		
	Retro-reflective with MSR function		 6m *2 [100mm] (When using E39-R1)		E3JK-RR12-C 2M
			 10m *2 [100mm] (When using E39-R2)		
	Diffuse-reflective		 2.5m		E3JK-DR11-C 2M
			 300mm		E3JK-DR12-C 2M

*1. Through-beam Sensors are sold in sets that include both the Emitter and Receiver.
 *2. Values in parentheses indicate the minimum required distances between the Sensors and Reflectors.

Accessories (Order Separately)


Reflectors (A Reflector is required for Retro-reflective Sensors.) [Refer to Dimensions on page 14.]
 The E39-R1 is enclosed with Sensors with model numbers that contain “-C.”

Name	Sensing distance (rated value)		Model	Quantity
Reflectors	E3JK-R□11	7 m [100 mm] *	E39-R1	1
	E3JK-R□12	6 m [100 mm] *		
	E3JK-R□11	9 m [100 mm] *	E39-R1S	1
	E3JK-R□12	7 m [100 mm] *		
	E3JK-R□11	11 m [100 mm] *	E39-R2	1
	E3JK-R□12	10 m [100 mm] *		

Note: Refer to Engineering Data on page 9 for details.
 *Values in parentheses indicate the minimum required distances between the Sensors and Reflectors.

Mounting Bracket [Refer to Dimensions on page 14.]

A Mounting Bracket is enclosed with Sensors with model numbers that contain “-C.”

Appearance	Model	Quantity
	E39-L40	1

Note: 1. When using a Through-beam Sensor, order one Mounting Bracket for the Receiver and one for the Emitter.
 2. For details, refer to Mounting Brackets on E39-L/E39-S/E39-R which can be accessed from your OMRON website.

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Ratings and Specifications

Sensing method Item		Model	Through-beam		
			E3JK-TR11-□	E3JK-TN11	E3JK-TP11
Sensing distance		40 m			
Standard sensing object		Opaque: 17-mm dia. min.			
Differential travel		-			
Directional angle		Both Emitter and Receiver 3° min.			
Light source (wavelength)		Red LED (624 nm)			
Power supply voltage		24 to 240 VDC ±10%, ripple (p-p): 10% max. 24 to 240 VAC ±10%, 50/60 Hz	10 to 30 VDC, including ripple (p-p): 10%		
Power consumption	DC	3 W max. (Emitter 1.5 W max. Receiver 1.5 W max.)	40 mA max. (Emitter 25 mA max. Receiver 15 mA max.)		
	AC	3 W max. (Emitter 1.5 W max. Receiver 1.5 W max.)	-		
Control output		Relay output SPDT, 250 VAC, 3 A max. (cosφ= 1), 5 VDC, 10 mA min., Light-ON/Dark-ON selectable	Load power supply voltage: 30 V max., Load current: 100 mA max., Residual voltage: 3 V max., open-collector output (NPN/PNP output depending on model), Light-ON/Dark-ON selectable		
Life expectancy (relay output)	Mechanical	50,000,000 times min. (switching frequency: 18,000 times/h)			
	Electrical	100,000 times min. (switching frequency: 1,800 times/h)			
Response time		20 ms max.	1 ms max.		
Sensitivity adjustment		One-turn adjuster Receiver (E3JK-T□□□-D) only			
Ambient illumination (Receiver side)		Incandescent lamp: 3,000 lx max., Sunlight: 11,000 lx max.			
Ambient temperature range		Operating: -25°C to 55°C, Storage: -40°C to 70°C (with no icing or condensation)			
Ambient humidity range		Operating: 35% to 85%, Storage: 35% to 95% (with no condensation)			
Insulation resistance		20 MΩ min. at 500 VDC			
Dielectric strength		1,500 VAC, 50/60 Hz for 1 min			
Vibration resistance	Destruction	10 to 55 Hz with a 1.5 mm double amplitude for 2 hours each in X, Y, and Z directions			
	Malfunction	10 to 55 Hz with a 1.5 mm double amplitude for 2 hours each in X, Y, and Z directions			
Shock resistance	Destruction	500 m/s ² for 3 times each in X, Y, and Z directions			
	Malfunction	100 m/s ² for 3 times each in X, Y, and Z directions	500 m/s ² for 3 times each in X, Y, and Z directions		
Degree of protection		IEC 60529 IP64			
Connection method		Pre-wired (standard length: 2 m)			
Weight (packed state)		Approx. 350 g	Approx. 300 g		
Material	Case	ABS (Acrylonitril Butadiene Styrene)			
	Lens/Display window	Methacrylic resin			
	Adjuster	POM			
	Cable	PVC			
Bending radius of cable		R18			
Accessories		Instruction manual and Mounting Bracket (E3JK-TR11-C only)			

Sensing method Item		Model	Through-beam		
			E3JK-TR12-□	E3JK-TN12	E3JK-TP12
Sensing distance		5 m			
Standard sensing object		Opaque: 17-mm dia. min.			
Differential travel		-			
Directional angle		Both Emitter and Receiver 3° min.			
Light source (wavelength)		Red LED (624 nm)			
Power supply voltage		24 to 240 VDC ±10%, ripple (p-p): 10% max. 24 to 240 VAC ±10%, 50/60 Hz	10 to 30 VDC, including ripple (p-p): 10%		
Power consumption	DC	3 W max. (Emitter 1.5 W max. Receiver 1.5 W max.)	40 mA max. (Emitter 25 mA max. Receiver 15 mA max.)		
	AC	3 W max. (Emitter 1.5 W max. Receiver 1.5 W max.)	-		
Control output		Relay output SPDT, 250 VAC, 3 A max. (cosφ= 1), 5 VDC, 10 mA min., Light-ON/Dark-ON selectable	Load power supply voltage: 30 V max., Load current: 100 mA max., Residual voltage: 3 V max., open-collector output (NPN/PNP output depending on model), Light-ON/Dark-ON selectable		
Life expectancy (relay output)	Mechanical	50,000,000 times min. (switching frequency: 18,000 times/h)			
	Electrical	100,000 times min. (switching frequency: 1,800 times/h)			
Response time		20 ms max.	1 ms max.		
Sensitivity adjustment		One-turn adjuster Receiver (E3JK-T□□□-D) only			
Ambient illumination (Receiver side)		Incandescent lamp: 3,000 lx max., Sunlight: 11,000 lx max.			
Ambient temperature range		Operating: -25°C to 55°C, Storage: -40°C to 70°C (with no icing or condensation)			
Ambient humidity range		Operating: 35% to 85%, Storage: 35% to 95% (with no condensation)			
Insulation resistance		20 MΩ min. at 500 VDC			
Dielectric strength		1,500 VAC, 50/60 Hz for 1 min			
Vibration resistance	Destruction	10 to 55 Hz with a 1.5 mm double amplitude for 2 hours each in X, Y, and Z directions			
	Malfunction	10 to 55 Hz with a 1.5 mm double amplitude for 2 hours each in X, Y, and Z directions			
Shock resistance	Destruction	500 m/s ² for 3 times each in X, Y, and Z directions			
	Malfunction	100 m/s ² for 3 times each in X, Y, and Z directions	500 m/s ² for 3 times each in X, Y, and Z directions		
Degree of protection		IEC 60529 IP64			
Connection method		Pre-wired (standard length: 2 m)			
Weight (packed state)		Approx. 350 g	Approx. 300 g		
Material	Case	ABS (Acrylonitril Butadiene Styrene)			
	Lens/Display window	Methacrylic resin			
	Adjuster	POM			
	Cable	PVC			
Bending radius of cable		R18			
Accessories		Instruction manual and Mounting Bracket (E3JK-TR12-C only)			

E3JK

Sensing method		Retro-reflective (without MSR function)		
Item	Model	E3JK-RR11-□	E3JK-RN11	E3JK-RP11
Sensing distance		7 m [100 mm]* (When using E39-R1), 11 m [100 mm]* (When using E39-R2)		
Standard sensing object		Opaque: 75-mm dia. min.		
Differential travel		-		
Directional angle		1.5° min.		
Light source (wavelength)		Red LED (624 nm)		
Power supply voltage		24 to 240 VDC ±10%, ripple (p-p): 10% max. 24 to 240 VAC ±10%, 50/60 Hz	10 to 30 VDC, including ripple (p-p): 10%	
Power consumption	DC	2 W max.	30 mA max.	
	AC	2 W max.	-	
Control output		Relay output SPDT, 250 VAC, 3 A max. (cosφ= 1), 5 VDC, 10 mA min., Light-ON/Dark-ON selectable	Load power supply voltage: 30 V max., Load current: 100 mA max., Residual voltage: 3 V max., open-collector output (NPN/PNP output depending on model), Light-ON/Dark-ON selectable	
Life expectancy (relay output)	Mechanical	50,000,000 times min. (switching frequency: 18,000 times/h)		
	Electrical	100,000 times min. (switching frequency: 1,800 times/h)		
Response time		20 ms max.	1 ms max.	
Sensitivity adjustment		One-turn adjuster		
Ambient illumination (Receiver side)		Incandescent lamp: 3,000 lx max., Sunlight: 11,000 lx max.		
Ambient temperature range		Operating: -25°C to 55°C, Storage: -40°C to 70°C (with no icing or condensation)		
Ambient humidity range		Operating: 35% to 85%, Storage: 35% to 95% (with no condensation)		
Insulation resistance		20 MΩ min. at 500 VDC		
Dielectric strength		1,500 VAC, 50/60 Hz for 1 min		
Vibration resistance	Destruction	10 to 55 Hz with a 1.5 mm double amplitude for 2 hours each in X, Y, and Z directions		
	Malfunction	10 to 55 Hz with a 1.5 mm double amplitude for 2 hours each in X, Y, and Z directions		
Shock resistance	Destruction	500 m/s ² for 3 times each in X, Y, and Z directions		
	Malfunction	100 m/s ² for 3 times each in X, Y, and Z directions	500 m/s ² for 3 times each in X, Y, and Z directions	
Degree of protection		IEC 60529 IP64		
Connection method		Pre-wired (standard length: 2 m)		
Weight (packed state)		Approx. 180 g	Approx. 160 g	
Material	Case	ABS (Acrylonitril Butadiene Styrene)		
	Lens/Display window	Methacrylic resin		
	Adjuster	POM		
	Cable	PVC		
Bending radius of cable		R18		
Accessories		Instruction manual, Mounting Bracket (E3JK-RR11-C only), and Reflector (E3JK-RR11-C only)		

*Values in parentheses indicate the minimum required distances between the Sensors and Reflectors.

Sensing method		Retro-reflective (with MSR function)		
Item	Model	E3JK-RR12-□	E3JK-RN12	E3JK-RP12
Sensing distance		6 m [100 mm]* (When using E39-R1), 10 m [100 mm]* (When using E39-R2)		
Standard sensing object		Opaque: 75-mm dia. min.		
Differential travel		-		
Directional angle		1.5° min.		
Light source (wavelength)		Red LED (624 nm)		
Power supply voltage		24 to 240 VDC ±10%, ripple (p-p): 10% max. 24 to 240 VAC ±10%, 50/60 Hz	10 to 30 VDC, including ripple (p-p): 10%	
Power consumption	DC	2 W max.	30 mA max.	
	AC	2 W max.	-	
Control output		Relay output SPDT, 250 VAC, 3 A max. (cosφ= 1), 5 VDC, 10 mA min., Light-ON/Dark-ON selectable	Load power supply voltage: 30 V max., Load current: 100 mA max., Residual voltage: 3 V max., open-collector output (NPN/PNP output depending on model), Light-ON/Dark-ON selectable	
Life expectancy (relay output)	Mechanical	50,000,000 times min. (switching frequency: 18,000 times/h)		
	Electrical	100,000 times min. (switching frequency: 1,800 times/h)		
Response time		20 ms max.	1 ms max.	
Sensitivity adjustment		One-turn adjuster		
Ambient illumination (Receiver side)		Incandescent lamp: 3,000 lx max., Sunlight: 11,000 lx max.		
Ambient temperature range		Operating: -25°C to 55°C, Storage: -40°C to 70°C (with no icing or condensation)		
Ambient humidity range		Operating: 35% to 85%, Storage: 35% to 95% (with no condensation)		
Insulation resistance		20 MΩ min. at 500 VDC		
Dielectric strength		1,500 VAC, 50/60 Hz for 1 min		
Vibration resistance	Destruction	10 to 55 Hz with a 1.5 mm double amplitude for 2 hours each in X, Y, and Z directions		
	Malfunction	10 to 55 Hz with a 1.5 mm double amplitude for 2 hours each in X, Y, and Z directions		
Shock resistance	Destruction	500 m/s ² for 3 times each in X, Y, and Z directions		
	Malfunction	100 m/s ² for 3 times each in X, Y, and Z directions	500 m/s ² for 3 times each in X, Y, and Z directions	
Degree of protection		IEC 60529 IP64		
Connection method		Pre-wired (standard length: 2 m)		
Weight (packed state)		Approx. 180 g	Approx. 160 g	
Material	Case	ABS (Acrylonitril Butadiene Styrene)		
	Lens/Display window	Methacrylic resin		
	Adjuster	POM		
	Cable	PVC		
Bending radius of cable		R18		
Accessories		Instruction manual, Mounting Bracket (E3JK-RR12-C only), and Reflector (E3JK-RR12-C only)		

*Values in parentheses indicate the minimum required distances between the Sensors and Reflectors.

E3JK

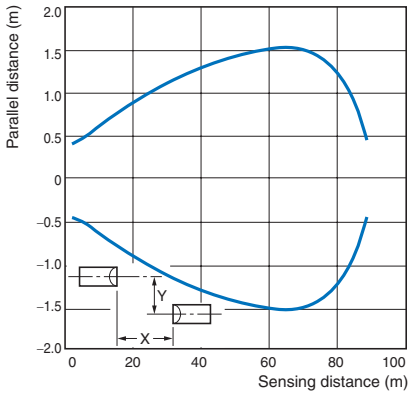
Sensing method		Diffuse-reflective					
Item	Model	E3JK-DR11-□	E3JK-DR12-□	E3JK-DN11	E3JK-DP11	E3JK-DN12	E3JK-DP12
Sensing distance		White paper (300 × 300 mm): 2.5 m	White paper (100 × 100 mm): 300 mm	White paper (300 × 300 mm): 2.5 m		White paper (100 × 100 mm): 300 mm	
Standard sensing object		-					
Differential travel		20% max. of sensing distance					
Directional angle		-					
Light source (wavelength)		Red LED (624 nm)					
Power supply voltage		24 to 240 VDC ±10%, ripple (p-p): 10% max. 24 to 240 VAC ±10%, 50/60 Hz		10 to 30 VDC, including ripple (p-p): 10%			
Power consumption	DC	2 W max.		30 mA max.			
	AC	2 W max.		-			
Control output		Relay output SPDT, 250 VAC, 3 A max. (cosφ= 1), 5 VDC, 10 mA min., Light-ON/Dark-ON selectable		Load power supply voltage: 30 V max., Load current: 100 mA max., Residual voltage: 3 V max., open-collector output (NPN/PNP output depending on model), Light-ON/Dark-ON selectable			
Life expectancy (relay output)	Mechanical	50,000,000 times min. (switching frequency: 18,000 times/h)					
	Electrical	100,000 times min. (switching frequency: 1,800 times/h)					
Response time		20 ms max.		1 ms max.			
Sensitivity adjustment		One-turn adjuster					
Ambient illumination (Receiver side)		Incandescent lamp: 3,000 lx max., Sunlight: 11,000 lx max.					
Ambient temperature range		Operating: -25°C to 55°C, Storage: -40°C to 70°C (with no icing or condensation)					
Ambient humidity range		Operating: 35% to 85%, Storage: 35% to 95% (with no condensation)					
Insulation resistance		20 MΩ min. at 500 VDC					
Dielectric strength		1,500 VAC, 50/60 Hz for 1 min					
Vibration resistance	Destruction	10 to 55 Hz with a 1.5 mm double amplitude for 2 hours each in X, Y, and Z directions					
	Malfunction	10 to 55 Hz with a 1.5 mm double amplitude for 2 hours each in X, Y, and Z directions					
Shock resistance	Destruction	500 m/s ² for 3 times each in X, Y, and Z directions					
	Malfunction	100 m/s ² for 3 times each in X, Y, and Z directions		500 m/s ² for 3 times each in X, Y, and Z directions			
Degree of protection		IEC 60529 IP64					
Connection method		Pre-wired (standard length: 2 m)					
Weight (packed state)		Approx. 180 g		Approx. 160 g			
Material	Case	ABS (Acrylonitril Butadiene Styrene)					
	Lens/Display window	Methacrylic resin					
	Adjuster	POM					
	Cable	PVC					
Bending radius of cable		R18					
Accessories		Instruction manual and Mounting Bracket (E3JK-DR1□-C only)					

Engineering Data (Reference Value)

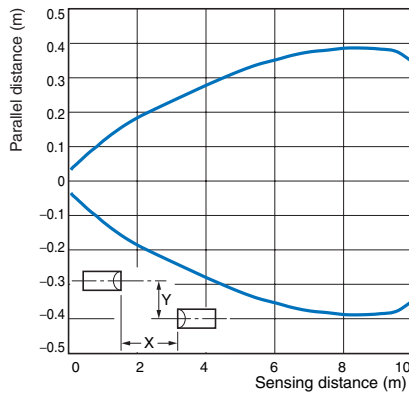
Parallel Operating Range

Through-beam

E3JK-T□11

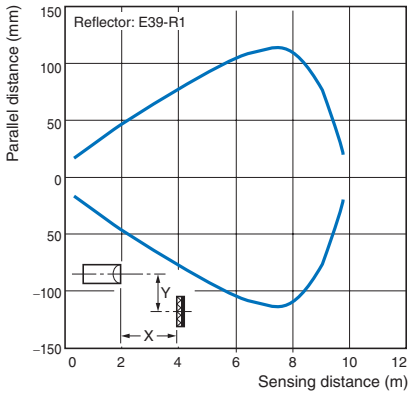


E3JK-T□12

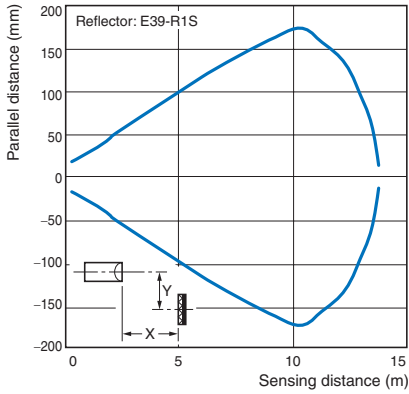


Retro-reflective

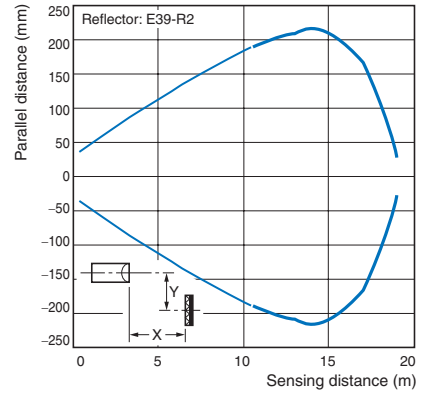
E3JK-R□□1+E39-R1



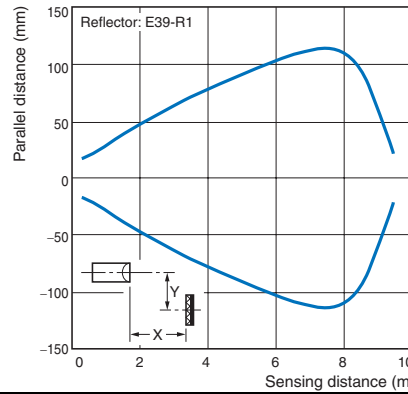
E3JK-R□□1+E39-R1S



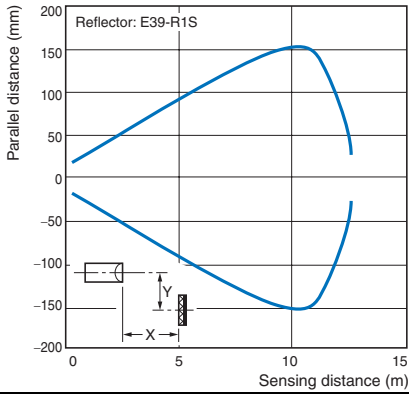
E3JK-R□□1+E39-R2



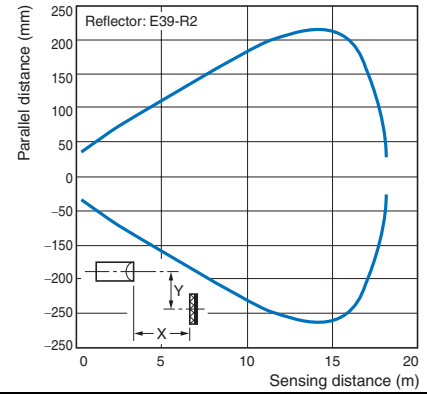
E3JK-R□□2+E39-R1



E3JK-R□□2+E39-R1S



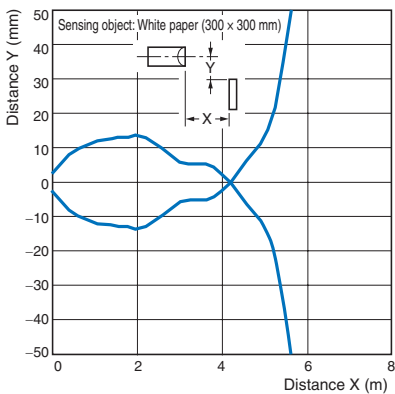
E3JK-R□□2+E39-R2



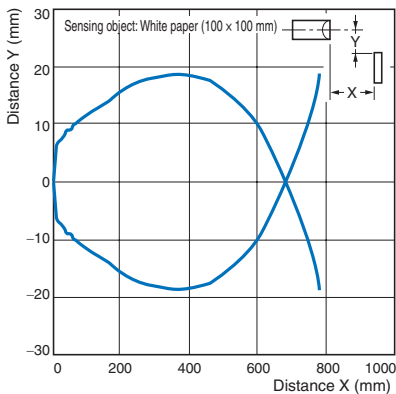
Operating Range

Diffuse-reflective

E3JK-D□□1



E3JK-D□□2

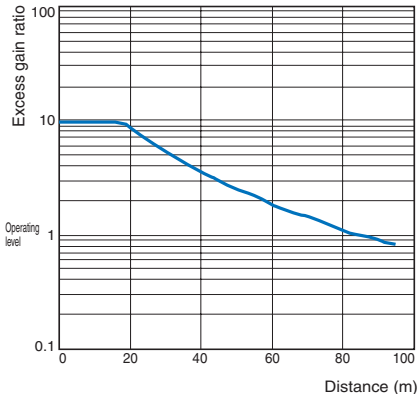


E3JK

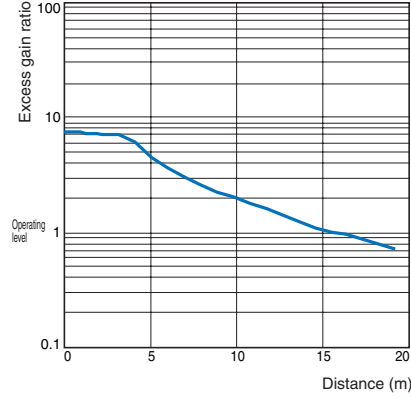
Excess Gain Ratio vs. Set Distance

Through-beam

E3JK-T□□11

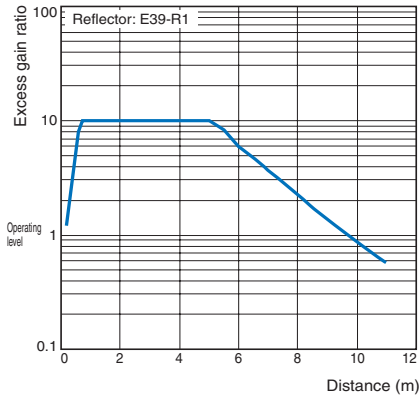


E3JK-T□□12

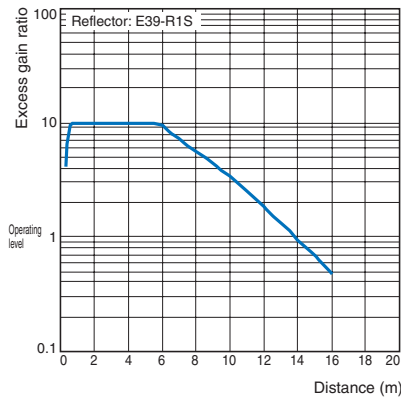


Retro-reflective

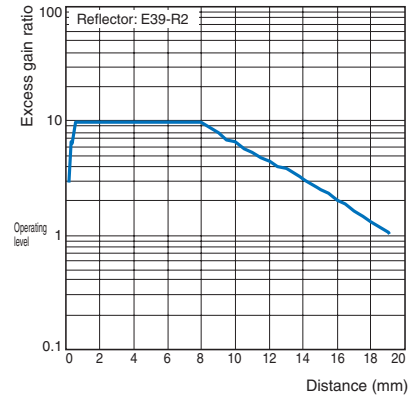
E3JK-R□□□1+E39-R1



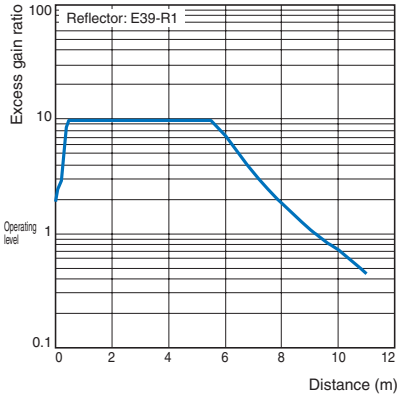
E3JK-R□□□1+E39-R1S



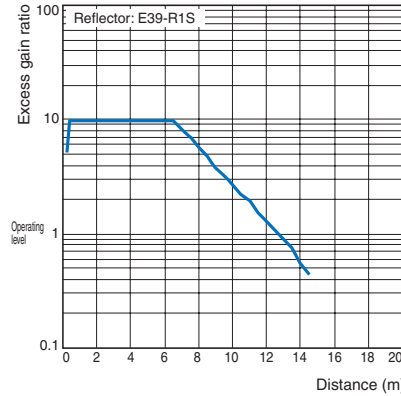
E3JK-R□□□1+E39-R2



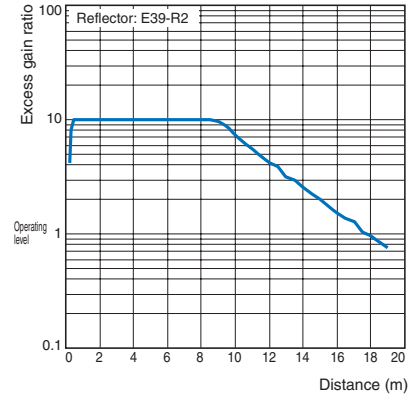
E3JK-R□□□2+E39-R1



E3JK-R□□□2+E39-R1S

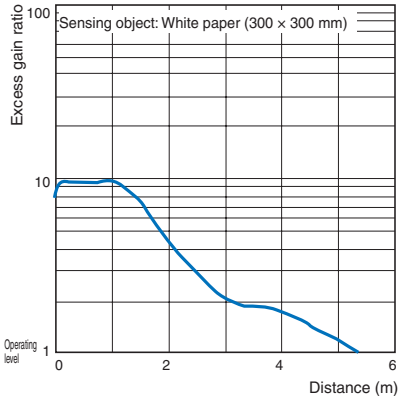


E3JK-R□□□2+E39-R2

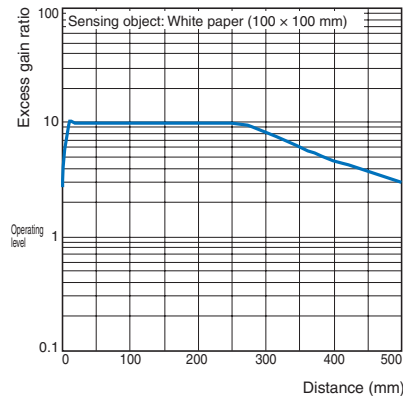


Diffuse-reflective

E3JK-D□□□1



E3JK-D□□□2



I/O Circuit Diagrams

Relay Output Models

Model	Timing chart		Output circuit
	Light-ON	Dark-ON	
E3JK-TR11-L * E3JK-TR12-L *	/		
E3JK-TR11-D * E3JK-TR12-D * E3JK-RR11 E3JK-RR12 E3JK-DR11 E3JK-DR12			

DC SSR Output Models

Model	Timing chart		Output circuit
	Light-ON	Dark-ON	
E3JK-TN11-L * E3JK-TP11-L * E3JK-TN12-L * E3JK-TP12-L *	/		
E3JK-TN11-D * E3JK-TN12-D * E3JK-RN11 E3JK-RN12 E3JK-DN11 E3JK-DN12			
E3JK-TP11-D * E3JK-TP12-D * E3JK-RP11 E3JK-RP12 E3JK-DP11 E3JK-DP12			

Note: Connect the brown cable to any polarity and the blue cable to the power supply because there is no polarity on the Emitter side.

*For the Through-beam Sensor, the Emitter is listed as E3JK-T□11-L, E3JK-T□12-L and the Receiver is listed as E3JK-T□11-D, E3JK-T□12-D in the table. Confirm the models to order in "Ordering Information."

E3JK

Safety Precautions

Refer to *Warranty and Limitations of Liability*.

WARNING

This product is not designed or rated for ensuring safety of persons either directly or indirectly.

Do not use it for such purposes.



Caution

Do not wire the product incorrectly.

Do not use this product with a damaged case or cable.



Do not disassemble, repair, or modify this product.

Doing so may lead to explosion, fire, or product failure.



Precautions for Safe Use

The following precautions must be observed to ensure safe operation of the Sensor.

1. Do not use the Sensor in environments subject to flammable, explosive or corrosive gases.
2. Do not use this product in an environment in which oil or chemicals are present.
3. Do not use this product under water, in the rain, or outdoors.
4. Do not use this product under conditions that exceed or in an environment that exceeds the ratings.
5. When using an AC power supply, do not use a power supply that includes high frequencies (such as an inverter).
6. Do not use this product in a location subject to direct sunlight.
7. Do not use this product in a location in which the product will be subject to direct vibrations or impacts.
8. Do not use thinner, alcohol, or other organic solvents with this product.
9. When disposing of the Sensor, treat it as industrial waste.

Precautions for Correct Use

- If the product is wired to high-voltage power lines and power lines in the same pipe or the same duct, the product may malfunction or be damaged due to induction. Therefore, in principle, perform these two types of wiring separately or use shielded cords.
- Do not apply excessive force to the cables.
- When using a commercially available switching regulator, be sure to install an FG (frame ground terminal).
- The time between the product being turned ON and sensing being possible is 100 ms, so wait at least 100 ms after turning the product ON before using it. If the load and the product are connected to different power supplies, be sure to turn the product ON first.
- An output pulse may be generated when the product is turned OFF, so we recommend turning the load or the load line OFF first.

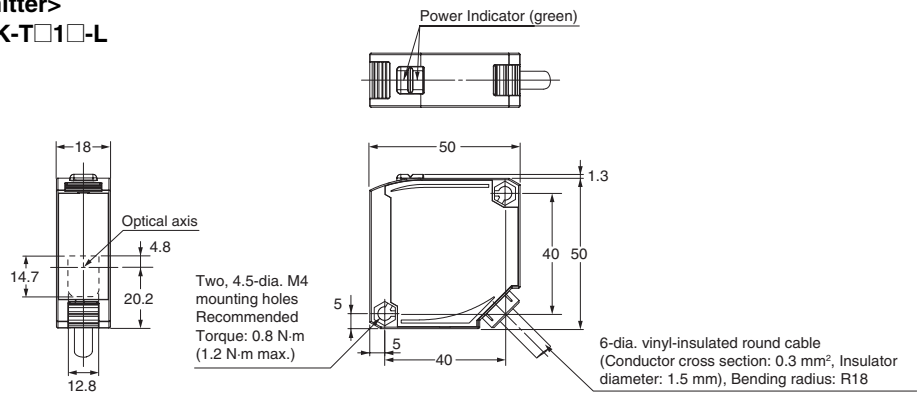
Dimensions

Sensors

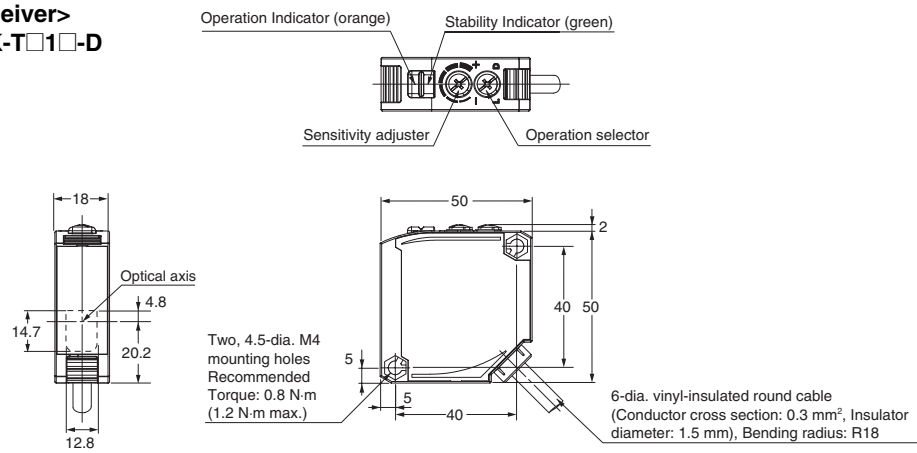
Through-beam E3JK-T□1□



<Emitter> E3JK-T□1□-L

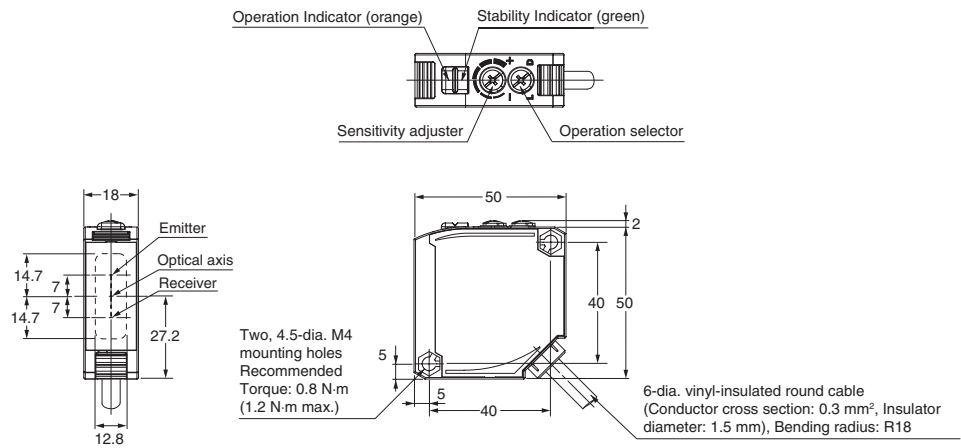


<Receiver> E3JK-T□1□-D



Diffuse-reflective/ Retro-reflective

E3JK-R□1□ E3JK-D□1□

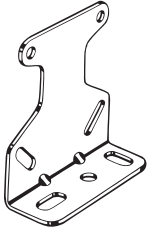


E3JK

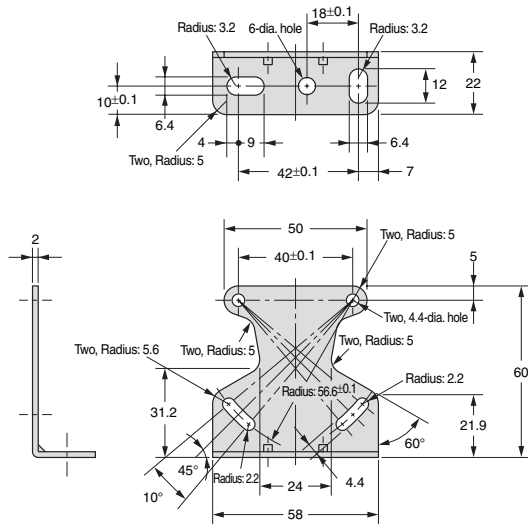
Accessories

Mounting Bracket (Order separately)

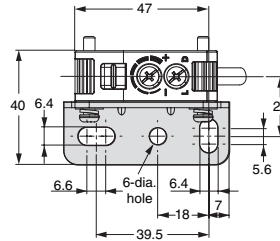
Mounting Bracket E39-L40



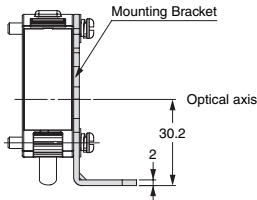
Material: Iron



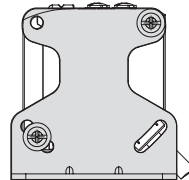
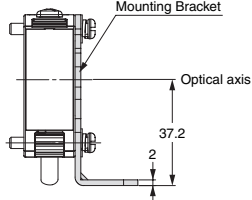
With Mounting Bracket Attached



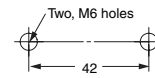
Through-beam



Diffuse-reflective/
Retro-reflective



Mounting Holes

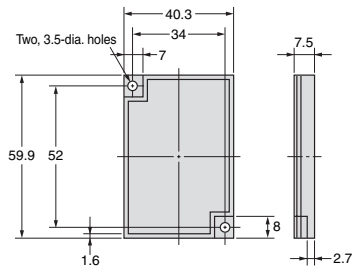


Reflector (Order separately)

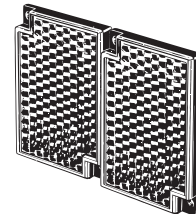
E39-R1 E39-R1S



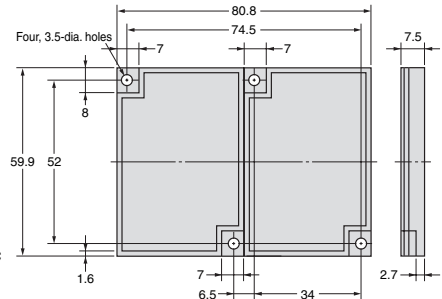
Material:
Reflective surface: acrylic
Rear surface: ABS



E39-R2



Material:
Reflective surface: acrylic
Rear surface: ABS



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