Miniature Square Photoelectric Sensor in plastic housing

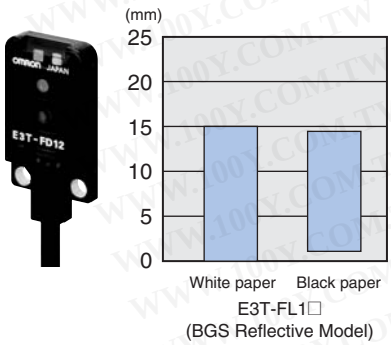
E3T

- Ultra flat size with high power pinpoint LED where space is crucial
- 3.5 mm thin flat shape
- IP67
- Pulse synchronisation for high ambient light immunity

Features

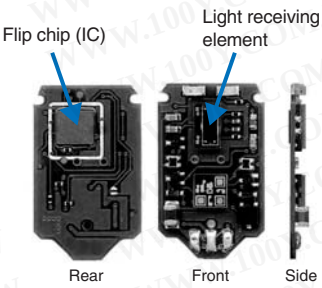
Flat background supression (BGS) with highest repeatability even for differently colored objects.

Minimal black white error



Unique light receiving lens shape for high precision alignment

New mounting technology for reliable background suppressions in 3.5 mm flat housing



Application

E3T-ST Through-beam (Side View) Models/E3T-FT Through-beam (Flat) Models

- Long-distance detection Side-view Models: 1m, Flat Models: 500 mm.
- Minimum detection object: 0.5 mm dia. (with slit attached).
- Optical axis accuracy of ±2° for high installation reliability.

Application

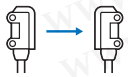
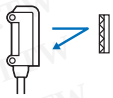
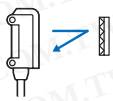
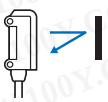
E3T-SL Convergent-reflective Models (Side-view)
- Minimum detection object: 0.15 mm dia.
- Resistant to background and surrounding metal.


E3T-FD Diffuse-reflective Models (Flat)
- Minimum detection object: 0.15 mm dia.
- Only 3.5 mm wide for installation in small gaps.


Ordering Information

Sensors

Red light

Sensing method	Appearance		Connection method	Sensing distance	Operation mode	Model *1	
						NPN output	PNP output
Through-beam		Side-view 	Pre-wired	1 m (Sensitivity Adjustment Unit can be used.)	Light-ON	E3T-ST11 *2	E3T-ST13
					Dark-ON	E3T-ST12 *2	E3T-ST14
				300 mm	Light-ON	E3T-ST21	E3T-ST23
					Dark-ON	E3T-ST22	E3T-ST24
		Flat 		500mm	Light-ON	E3T-FT11 *2	E3T-FT13
					Dark-ON	E3T-FT12	E3T-FT14
				300 mm	Light-ON	E3T-FT21	E3T-FT23
					Dark-ON	E3T-FT22	E3T-FT24
Retro-reflective		Side-view 		200mm [10mm]	Light-ON	E3T-SR21 *2	E3T-SR23
					Dark-ON	E3T-SR22 *2	E3T-SR24
		Side-view 		100 mm [10 mm] *3	Light-ON	E3T-SR31 *2	E3T-SR33
					Dark-ON	E3T-SR32 *2	E3T-SR34
Diffuse-reflective		Flat 		5 to 30 mm	Light-ON	E3T-FD11 *2	E3T-FD13
					Dark-ON	E3T-FD12 *2	E3T-FD14
Convergent-reflective		Side-view 		5 to 15 mm	Light-ON	E3T-SL11 *2	E3T-SL13
					Dark-ON	E3T-SL12 *2	E3T-SL14
				5 to 30 mm	Light-ON	E3T-SL21 *2	E3T-SL23
					Dark-ON	E3T-SL22 *2	E3T-SL24
BGS reflective		Flat 		1 to 15 mm	Light-ON	E3T-FL11 *2	E3T-FL13
					Dark-ON	E3T-FL12 *2	E3T-FL14
				1 to 30 mm	Light-ON	E3T-FL21 *2	E3T-FL23
					Dark-ON	E3T-FL22 *2	E3T-FL24

*1. Please contact your OMRON representative for models with M8 junction connectors.
*2. A Robotics Cable is provided. These models have an R suffix.
(Example: E3T-ST11R). Models with e-CON connector are available.
*3. Values in parentheses indicate the minimum required distance between the Sensor and Reflector.

Accessories (Order Separately)

Slits

Slit width	Sensing distance (typical)	Minimum detectable object (typical)	Model	Quantity	Remarks
0.5 mm dia.	100 mm	0.5 mm dia.	E39-S63	One each for Emitter and Receiver; common with Slit widths of 1 dia. and 0.5 dia. (total of 2)	Plug-in type round slits Can be used with E3T-ST1□ Through-beam Models.
1 mm dia.	300 mm	1 mm dia.			
0.5 mm dia.	50 mm	0.5 mm dia.	E39-S64		Plug-in type round slits Can be used with E3T-FT1□ Through-beam Models.
1 mm dia.	100 mm	1 mm dia.			

Reflectors

Name	Sensing distance (Sensor model)	Minimum detectable object (typical)	Model	Quantity	Remarks
Small Reflectors	200 mm (10 mm) *1 (E3T-SR2□)	2 mm dia.	E39-R4	1	Provided with the E3T-SR2□ Retro-reflective Models.
	100 mm (10 mm) *1 (E3T-SR3□)		E39-R37		Provided with the E3T-SR3□ Retro-reflective Models.

*1. Values in parentheses indicate the minimum required distance between the Sensor and Reflector.

Sensitivity Adjustment Unit

Appearance	Sensing distance (typical)	Model	Quantity	Remarks
	300 to 800 mm	E39-E10	1	Can be used with the E3T-ST1□ Though-beam Models.

Mounting Brackets

Appearance	Model	Quantity	Remarks
	E39-L116	1	Can be used with the E3T-S□□□ Side-view Models. (A securing nut plate is provided with the Mounting Bracket.)
	E39-L117		
	E39-L118		
	E39-L119		Can be used with the E3T-F□□□ Flat Models.
	E39-L120		

Note: When using Through-beam models, order one bracket for the Receiver and one for the Emitter.

Sensor I/O Connectors

Size	Cable type	Shape	Cable length		Model
e-CON	Standard cable	Connector on one end 	2 m	4-wire	E39-ECON2M
			5 m		E39-ECON5M
		Connector on both ends 	0.5 to 1 m		E39-ECONW□M Replace □ with the cable length in 0.1 m increments.
			1.1 to 1.5 m		
			1.6 to 2 m		

Sensing method		Through-beam				Retro-reflective			
		Side-view		Flat		Side-view			
		NPN	PNP	NPN	PNP	NPN	PNP	NPN	PNP
		E3T-ST11 E3T-ST12 E3T-ST21 E3T-ST22	E3T-ST13 E3T-ST14 E3T-ST23 E3T-ST24	E3T-FT11 E3T-FT12 E3T-FT21 E3T-FT22	E3T-FT13 E3T-FT14 E3T-FT23 E3T-FT24	E3T-SR21 E3T-SR22	E3T-SR23 E3T-SR24	E3T-SR31 E3T-SR32	E3T-SR33 E3T-SR34
Sensing distance		E3T-ST1□ 1 m E3T-ST2□ 300 mm		E3T-FT1□ 500 mm E3T-FT2□ 300 mm		E3T-SR2□200 mm (10 mm) *1 (with the E39-R4)		E3T-SR3□100 mm (10 mm) *1 (with the E39-R37)	
Standard sensing object		Opaque, 2 mm dia. min.		Opaque, 1.3 mm dia. min.		Opaque, 27 mm dia. min.			
Minimum detectable object (typical)		2 mm dia opaque object		1.3 mm dia opaque object		2 mm dia. (sensing distance of 100 mm)			
Hysteresis (white paper)		---							
Black/white error		---							
Directional angle		Emitter: 2° to 20° Receiver: 2° to 70°		Emitter: 3° to 25° Receiver: 3° min.		2° to 20°			
Light source (wavelength)		Red LED (“Pin-point” LED) λ = 650 nm							
Power supply voltage		12 to 24 VDC ±10%, ripple (p-p) 10% max.							
Current consumption		Emitter: 10 mA max. Receiver: 20 mA max.				20 mA max.			
Control output		Load power supply voltage: 26.4 VDC max. Load current: 50 mA max. (residual voltage: 2 V max. for load current of 10 to 50 mA, 1 V max. for load current of less than 10 mA) Open collector output Light ON: E3T-□□□1 and E3T-□□□3 Dark ON: E3T-□□□2 and E3T-□□□4							
Protection circuits		Power supply and control output reverse polarity protection Output short-circuit protection				Power supply and control output reverse polarity protection Output short-circuit protection, Mutual interreference prevention			
Response time		Operate or reset: 1 ms max.							
Ambient illumination		Incandescent lamp: 5,000 lx max. Sunlight: 10,000 lx max.							
Ambient temperature range		Operating: -25 to 55 °C Storage: -40 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		1,000 VAC, 50/60 Hz for 1 min							
Vibration resistance		Destruction: 10 to 2,000 Hz, 1.5 mm double amplitude or 300 m/s^2 for 0.5 hrs each in X, Y, and Z directions							
Shock resistance		Destruction: 1,000 m/s^2 3 times each in X, Y, and Z directions							
Degree of protection		IP67 (IEC60529)							
Connection method		Pre-wired (standard length: 2 m)							
Weight		Approx. 40 g				Approx. 20 g			
Materials	Case	PBT (polybutylene terephthalate)							
	Display window	Denatured polyarylate							
	Lens	Denatured polyarylate				Methacrylic resin			
Accessories		Instruction manual, Installation screws (Side-view Models: M2 x 14, Flat Models: M2 x 8), Nuts, Spring washers, Flat washers, E39-R4 (E3T-SR2□ only), E39-R37 (E3T-SR3□ only)							

*1. Values in parentheses indicate the minimum required distance between Sensor and Refelctor.

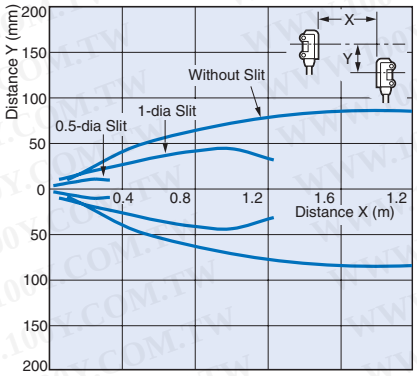
Sensing method		Diffuse-reflective		Convergent-reflective				BGS reflective			
		Flat		Side-view				Flat			
		NPN	PNP	NPN	PNP	NPN	PNP	NPN	PNP	NPN	PNP
		E3T-FD11 E3T-FD12	E3T-FD13 E3T-FD14	E3T-SL11 E3T-SL12	E3T-SL13 E3T-SL14	E3T-SL21 E3T-SL22	E3T-SL23 E3T-SL24	E3T-FL11 E3T-FL12	E3T-FL13 E3T-FL14	E3T-FL21 E3T-FL22	E3T-FL23 E3T-FL24
Sensing distance		5 to 30 mm (50 x 50 mm white paper)		5 to 15 mm (50 x 50 mm white paper)		5 to 30 mm (50 x 50 mm white paper)		1 to 15 mm (50 x 50 mm white paper)		1 to 30 mm (50 x 50 mm white paper)	
Standard sensing object		---									
Minimum detectable object (typical)		0.15 mm dia. (sensing distance of 10 mm)						0.15 mm dia non-glossy object (sensing distance of 10 mm)			
Hysteresis (white paper)		6 mm max.		2 mm max.		6 mm max.		0.5 mm max.		2 mm max.	
Black/white error		---								15% max.	
Directional angle		---									
Light source (wavelength)		Red LED (“Pin-point” LED) λ = 650 nm									
Power supply voltage		12 to 24 VDC ±10%, ripple (p-p) 10% max.									
Current consumption		20 mA max.									
Control output		Load power supply voltage: 26.4 VDC max. Load current: 50 mA max. (residual voltage: 2 V max. for load current of 10 to 50 mA, 1 V max. for load current of less than 10 mA) Open-collector output Light ON: E3T-□□□1 and E3T-□□□3 Dark ON: E3T-□□□2 and E3T-□□□4									
Protection circuits		Power supply and control output reverse polarity protection Output short-circuit protection, Mutual interference prevention									
Response time		Operate or reset: 1 ms max.									
Ambient illumination		Incandescent lamp: 5,000 lx max. Sunlight: 10,000 lx max.									
Ambient temperature range		Operating: -25 to 55 °C Storage: -40 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		1,000 VAC, 50/60 Hz for 1 min									
Vibration resistance		Destruction: 10 to 2,000 Hz, 1.5 mm double amplitude or 300 m/s^2 for 0.5 hrs each in X, Y, and Z directions									
Shock resistance		Destruction: 1,000 m/s^2 3 times each in X, Y, and Z directions									
Degree of protection		IP67 (IEC60529)									
Connection method		Pre-wired (standard length: 2 m)									
Weight		Approx. 20 g									
Materials	Case	PBT (polybutylene terephthalate)									
	Display window	Denatured polyarylate									
	Lens	Denatured polyarylate									
Accessories		Instruction manual, Installation screws (Side-view Models: M2 x 14, Flat Models: M2 x 8), Nuts, Spring washers, Flat washers									

Engineering Data (Typical)

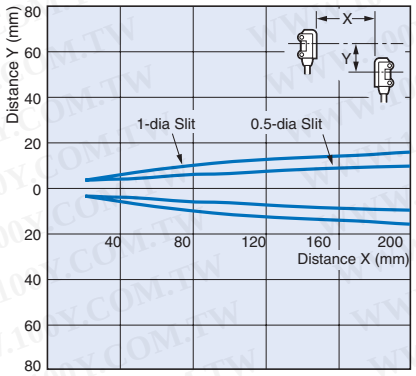
Parallel Operating Range

Through-beam

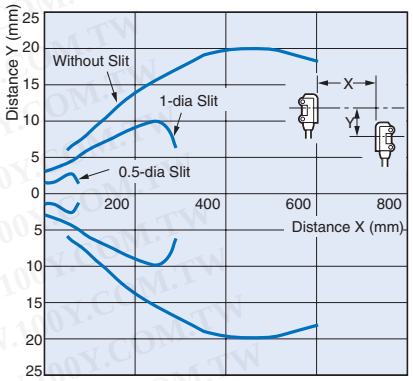
E3T-ST1□ + E39-S63 Slit
(Order Separately)



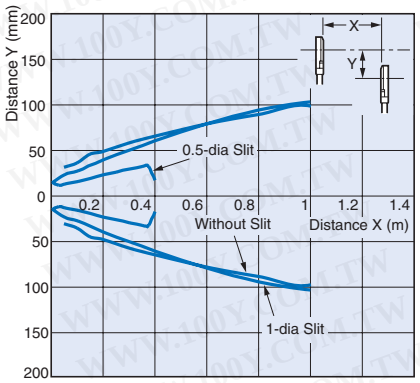
E3T-ST1□ + E39-S63 Slit
(Order Separately)(Enlarged graph)



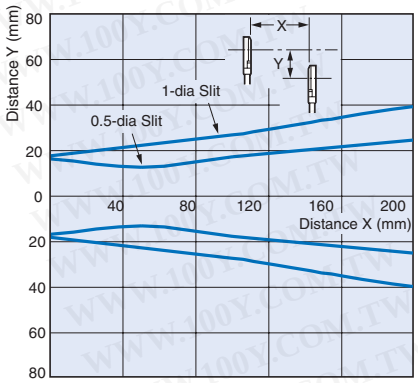
E3T-ST2□



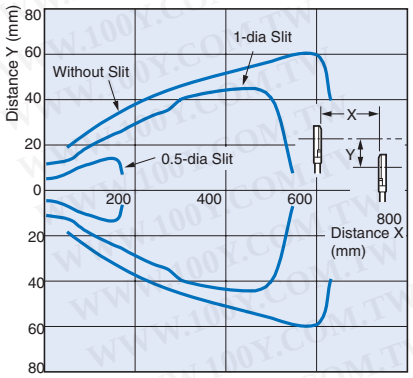
E3T-FT1□ + E39-S64 Slit
(Order Separately)



E3T-FT1□ + E39-S64 Slit
(Order Separately)(Enlarged graph)

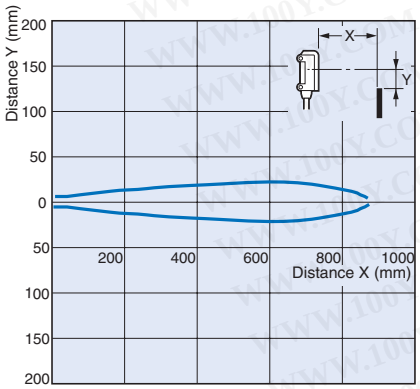


E3T-FT2□

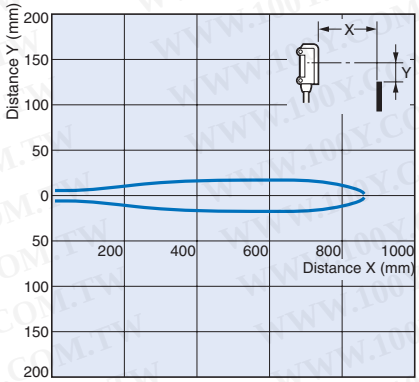


Through-beam

E3T-SR2□ + E39-R4 (Provided)



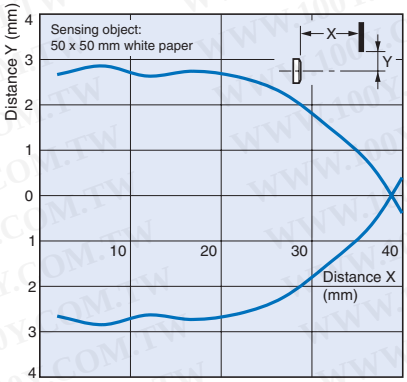
E3T-SR3□ + E39-R37 (Provided)



Operating Range

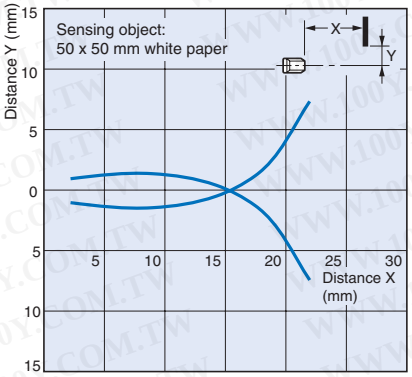
Diffuse-reflective

E3T-FD1□

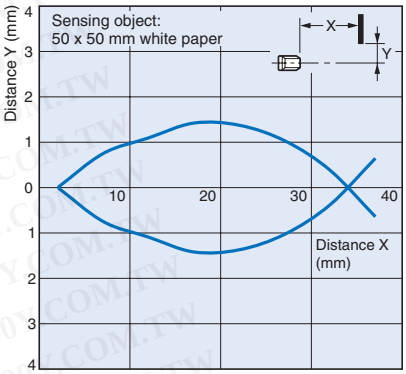


Convergent-reflective

E3T-SL1□

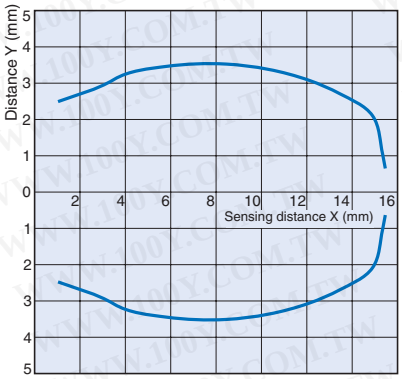


E3T-SL2□

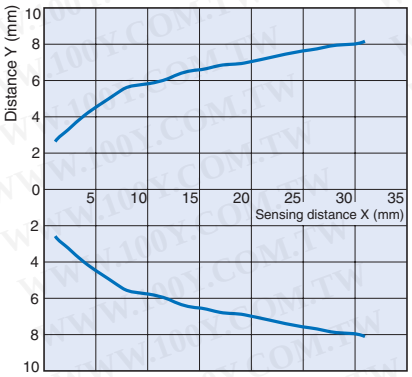


BGS Reflective

E3T-FL1□



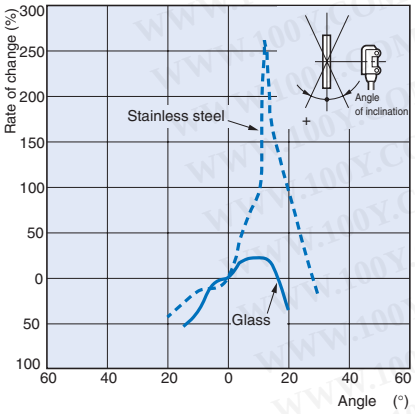
E3T-FL2□



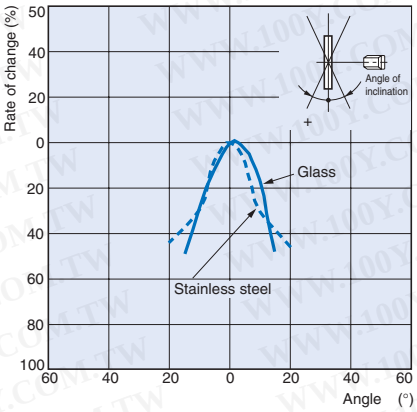
Inclination Characteristics

Convergent-reflective

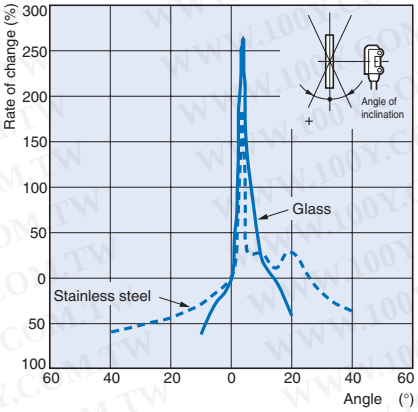
E3T-SL1□ (Top to Bottom)



E3T-SL1□ (Right to Left)

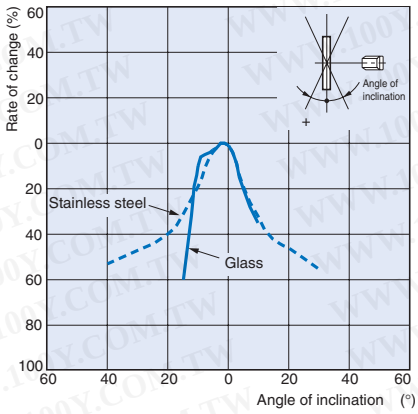


E3T-SL2□ (Top to Bottom)

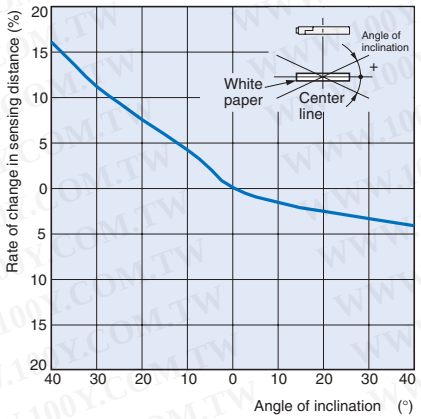


BGS Reflective

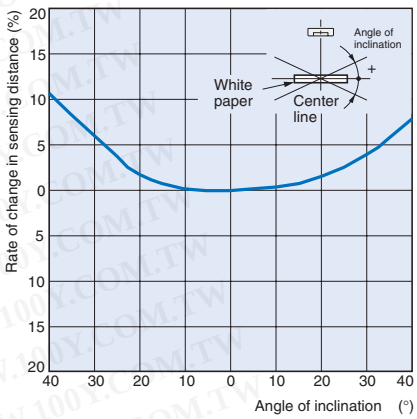
E3T-SL2□ (Right to Left)



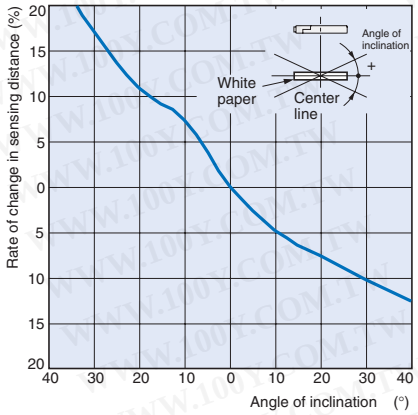
E3T-FL1□ (Top to Bottom)



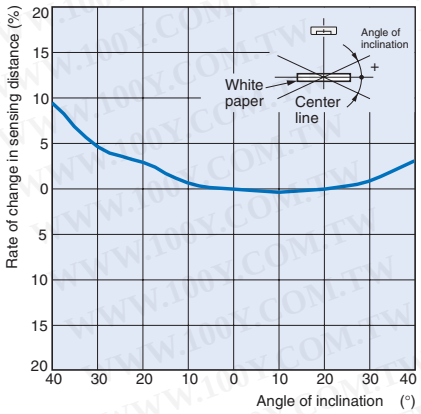
E3T-FL1□ (Right to Left)



E3T-FL2□ (Top to Bottom)



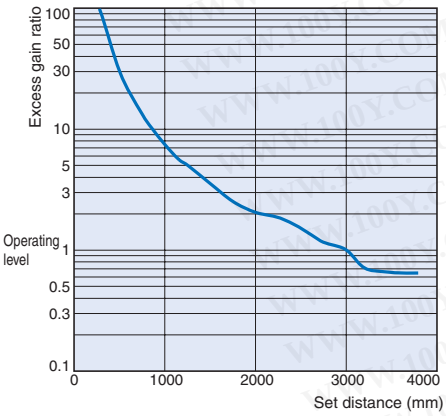
E3T-FL2□ (Right to Left)



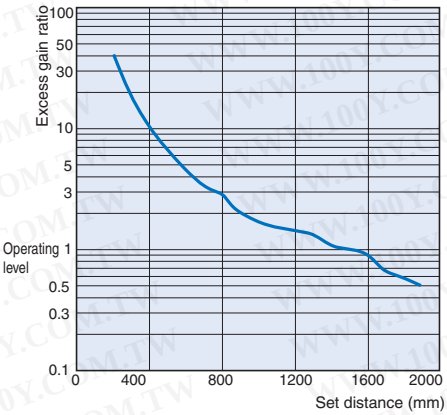
Exess Gain vs. Set Distance

Through-beam

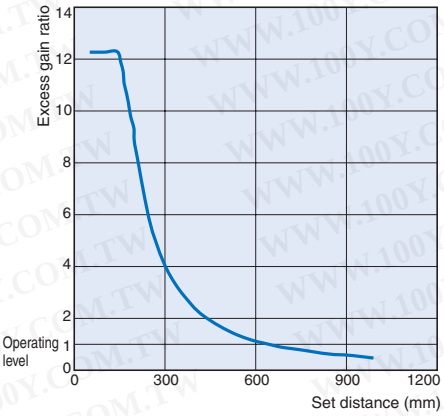
E3T-ST1□



E3T-FT1□

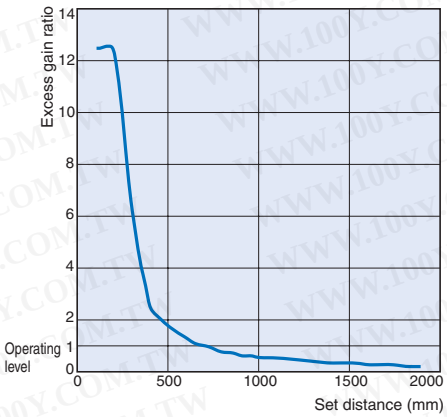


E3T-ST2□

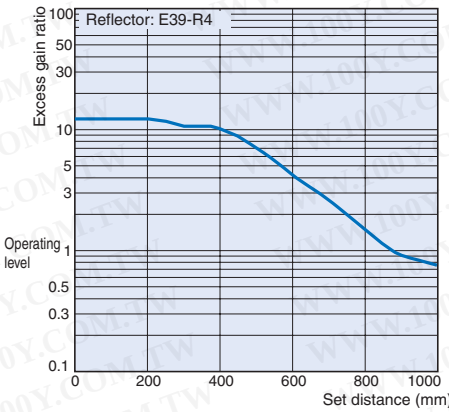


Retro-reflective

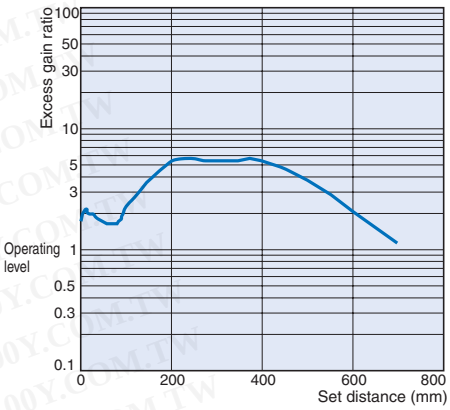
E3T-FT2□



E3T-SR2□ + E39-R4 (Provided)

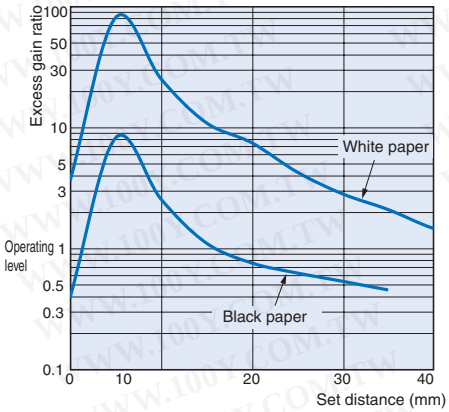


E3T-SR3□ + E39-R37 (Provided)



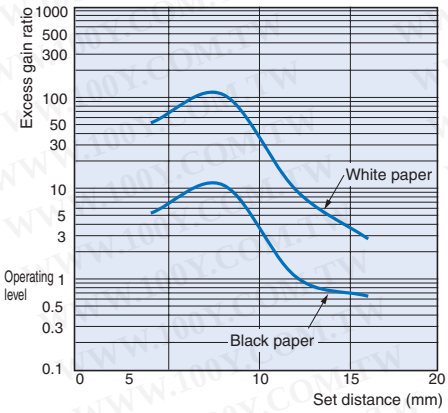
Diffuse-reflective

E3T-FD1□

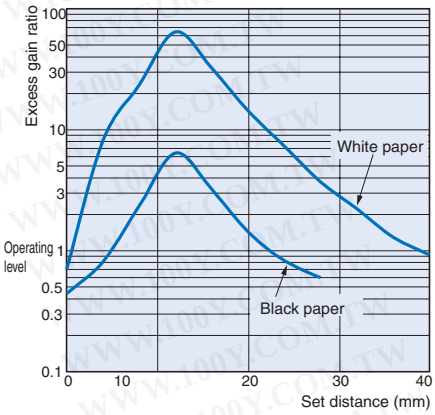


Convergent-reflective

E3T-SL1□

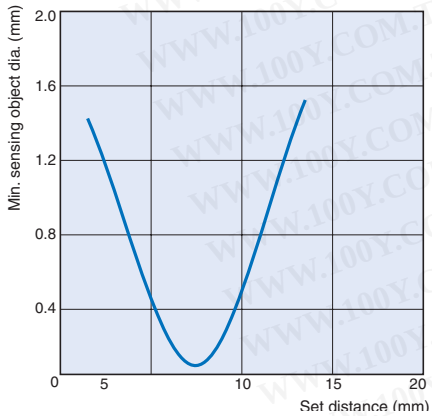


E3T-SL2□

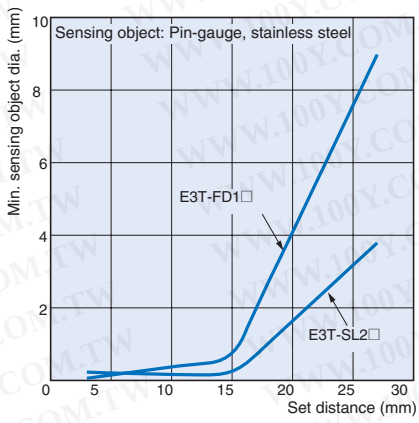


Sensing Object Size vs. Sensing Distance

E3T-SL1□



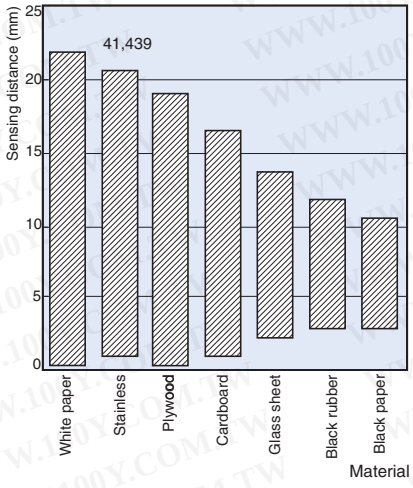
E3T-FD1□, E3T-SL2□



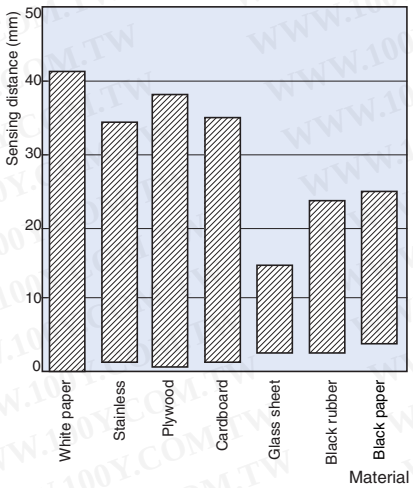
Sensing Distance vs. Material

Convergent-reflective

E3T-SL1□

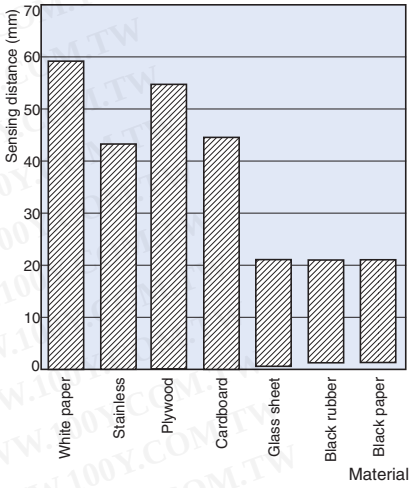


E3T-SL2□



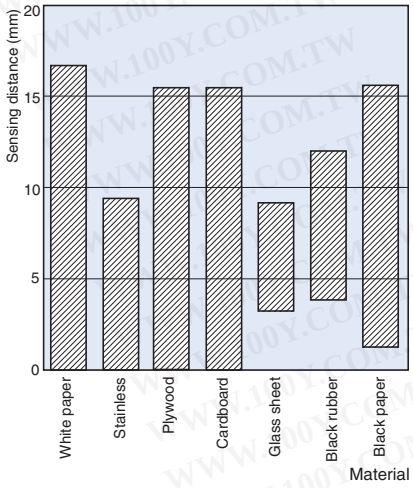
Diffuse-reflective

E3T-FD1□

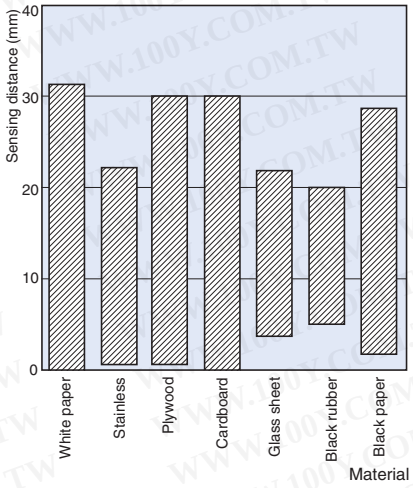


BGS Reflective

E3T-FL1□

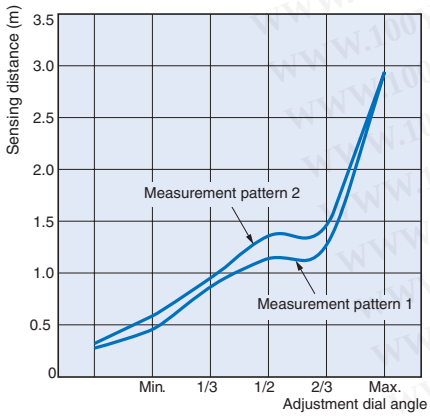


E3T-FL2□



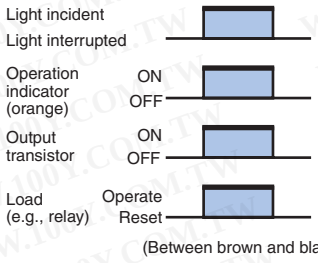
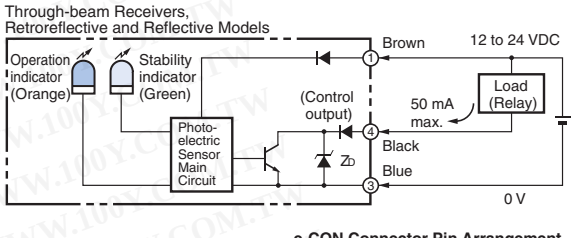
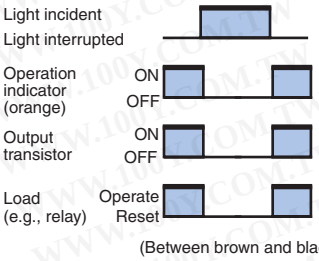
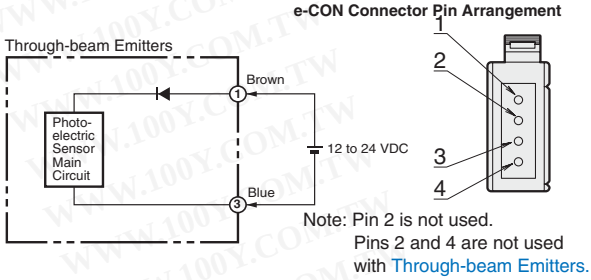
Sensing Distance Characteristics of Sensitivity Adjustment Unit (when Completing Optical Axial Adjustment)

E3T-ST1□ + E39-E10 Sensitivity Adjustment Unit (Order Serparately)

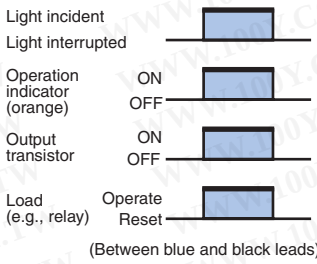
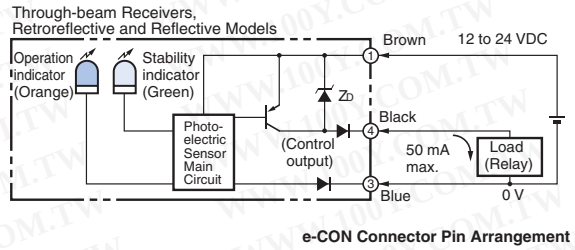
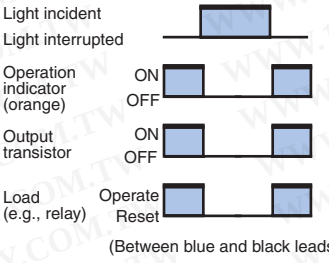
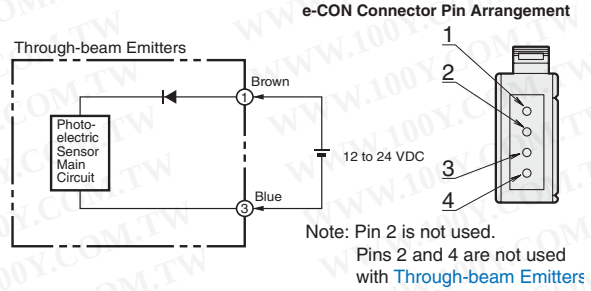


I/O Circuit Diagrams

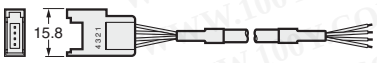
NPN Output

Model	Operation mode	Timing charts	Output circuit
E3T-□□□1	Light-ON	 (Between brown and black)	
E3T-□□□2	Dark-ON	 (Between brown and black)	 **e-CON Connector Pin Arrangement** Note: Pin 2 is not used. Pins 2 and 4 are not used with Through-beam Emitters.

PNP Output

Model	Operation mode	Timing charts	Output circuit
E3T-□□□3	Light-ON	 (Between blue and black leads)	
E3T-□□□4	Dark-ON	 (Between blue and black leads)	 **e-CON Connector Pin Arrangement** Note: Pin 2 is not used. Pins 2 and 4 are not used with Through-beam Emitters

Connectors



E39-ECON□M


E39-ECONW□M

Classification	Wire color	Connector pin No.	Application
DC	Brown	1	Power supply (+V)
	White	2	---
	Brown	3	Power supply (0 V)
	White	4	Output

Note:Pin 2 is nor used.

⚠ Warning

This product is not designed or rated for ensuring safety of persons. Do not use it for such purpose.

Do not apply AC power to the E3T, otherwise the E3T may rupture.

Precautions for Correct Use

Do not use the product in atmospheres or environment that exceed product ratings.

Wiring

The maximum power supply voltage is 24 VDC +10%. Before turning the power ON, make sure that the power supply voltage is not more than maximum voltage.

Load short-circuit protection

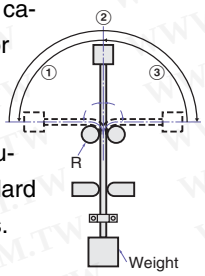
The E3T incorporates a load short-circuit protection function. If the load short-circuits, the output of the E3T will be turned OFF. Then, recheck the wiring and turn on the E3T again to reset the load short-circuit protection function. The load short-circuit protection function will work if there is a current flow that is 2.4 times larger than the rated load current. When using an inductance load, be sure that the inrush current will not exceed 2.4 times larger than the rated current.

Mounting

When mounting the Sensor, never strike it with a heavy object, such as a hammer. Doing so may reduce its watertight properties. Use M2 screws and flat or spring washers to secure the Sensor. (Tightening torque: 0.15 N·m max.)

Mounting the Sensor on Moving Parts

Consider models that use break resistant cables (e.g., Robotics Cables) if the Sensor will be mounted on a moving part, such as a robot hand. The flexing resistance of Robotics Cable at approximately 400 thousand times is far superior to that of standard cable at approximately 14 thousand times.



Cable Bending Rupture Test (Tough Cable Breaking Test)

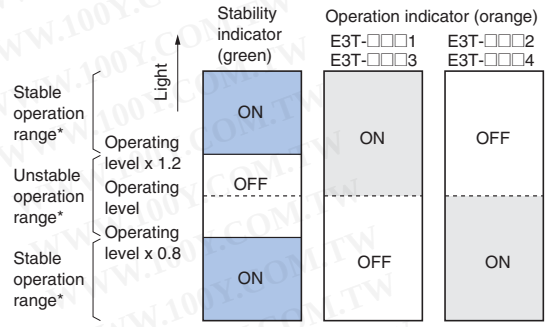
The cable is repeatedly bent with power supplied to check the number of bends until the current is turned OFF

Test	Specimen	Standard cable 2.4 mm dia. (7/0.127 mm dia.), 3 conductors	Robotics cable 2.4 mm (20/0.08 mm dia.), Test 3 conductors
Contents/conditions	Bending angle (θ)	90° each to the left and right	
	Bending speed	50 times/min	
	Load	200 g	
	Operation per bend	Once in 1 to 3 in the diagram	
	Curvature radius of support point (R)	5 mm	
Result		Approx. 14,000 times	Approx. 400,000 times

Adjusting

Indicators

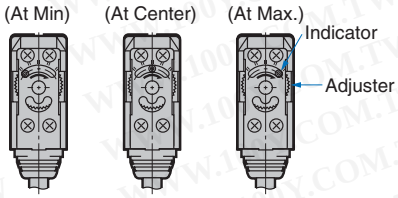
- The following graphs indicate the status of each operating level.
- Be sure to use the E3T within the stable operating range.



*If the E3T fs operating level is set to the stable operation range, the E3T will be in most reliable operation without being influenced by temperature change, voltage fluctuation, dust, or setting change. If the operating level cannot be set to the stable operation range, pay attention to environmental changes while operating the E3T.

Use of E39-E10 Sensitivity Adjustment Unit

(Dark-ON: E3T-ST12)



1. Mount the Unit on the Receiver.
2. Set the adjuster of the Sensitivity Adjustment Unit to Max. (Before shipping: Max.)
3. After mounting on the Sensor, adjust the optical axis and secure the Sensor.
4. Place a workpiece between the Emitter and Receiver and gradually turn the adjuster counterclockwise toward the Min. side. Stop turning the adjuster when the operation indicator and stability indicator (green) turn ON.
5. Remove the workpiece and confirm that the operation indicator is OFF and the stability indicator (green) is ON. This completes the adjustment.

Note: If the light attenuation rate due to a workpiece is 40% or less, the stability indicator will not turn ON whether or not light is received. When the variation of light is small such as when sensing semi-transparent workpieces, carefully perform preliminary testing.

Others

Do not install the E3T in the following locations.

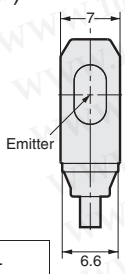
- Locations subject to excessive dust or dirt
- Locations subject to direct sunlight
- Locations subject to corrosive gas
- Locations subject to contact with organic solvents
- Locations subject to vibration and shock
- Locations subject to contact with water, oil, or chemicals
- Locations subject to high humidities that might result in condensation

Dimensions

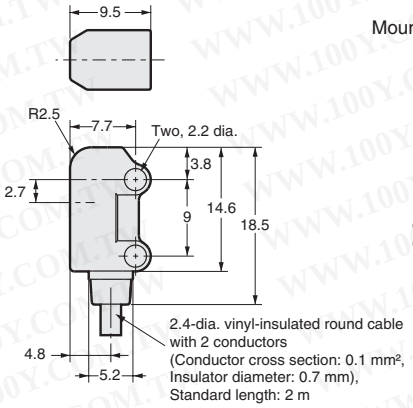
Sensors

Through-beam Models (Side-view)

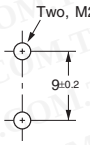
E3T-ST1☐ (Emitter)
E3T-ST2☐ (Emitter)



Emitter: E3T-ST☐☐-L
Receiver: E3T-ST☐☐-D

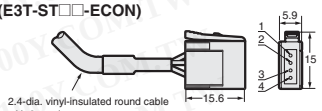


Mounting Holes



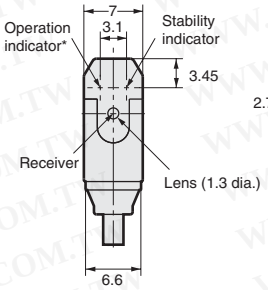
* Refer to *Mounting the Sensor on Moving* Parts on page 16 for details on Robotics Cable models.

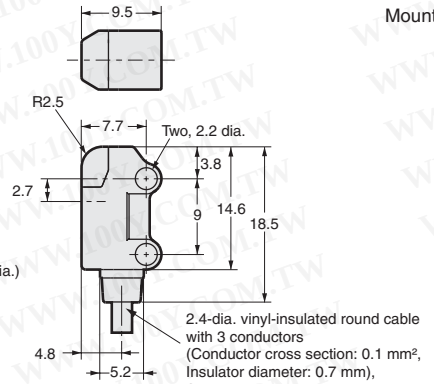
e-CON Pre-wired Connector Model (E3T-ST☐☐-ECON)



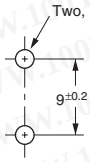
Terminal No.	Specifications
1	+V
2	---
3	0 V
4	---

E3T-ST1☐ (Receiver)
E3T-ST2☐ (Receiver)



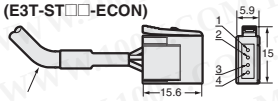


Mounting Holes



* Refer to *Mounting the Sensor on Moving* Parts on page 16 for details on Robotics Cable models.

e-CON Pre-wired Connector Model (E3T-ST☐☐-ECON)

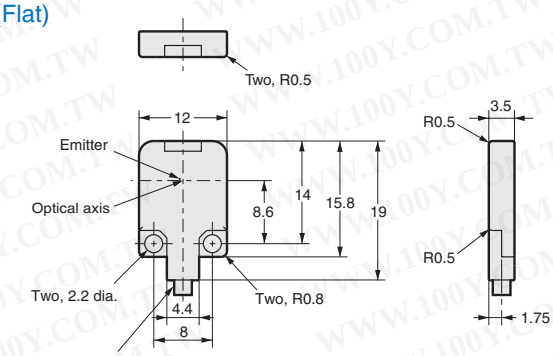


Terminal No.	Specifications
1	+V
2	---
3	0 V
4	Output

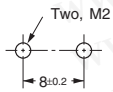
Through-beam Models (Flat)

E3T-FT1☐ (Emitter)
E3T-FT2☐ (Emitter)

Emitter: E3T-FT☐☐-L
Receiver: E3T-FT☐☐-D

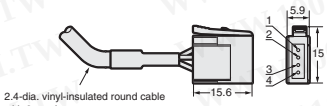


Mounting Holes



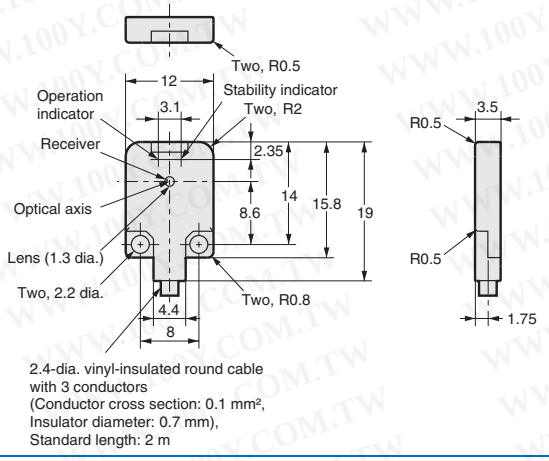
* Refer to *Mounting the Sensor on Moving* Parts on page 16 for details on Robotics Cable models.

e-CON Pre-wired Connector (E3T-FT☐☐-ECON)

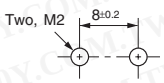


Terminal No.	Specifications
1	+V
2	---
3	0 V
4	---

E3T-FT1☐ (Receiver)
E3T-FT2☐ (Receiver)

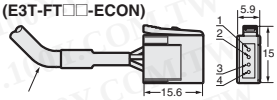


Mounting Holes



* Refer to *Mounting the Sensor on Moving* Parts on page 16 for details on Robotics Cable models.

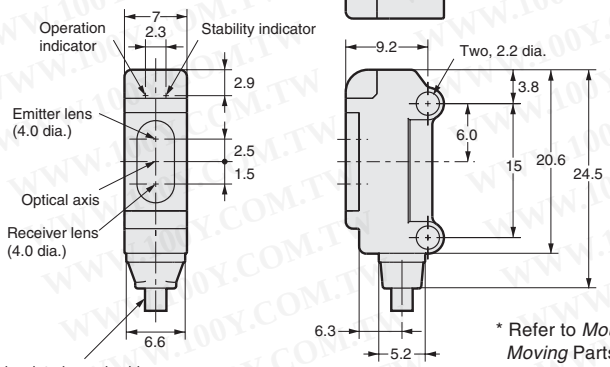
e-CON Pre-wired Connector (E3T-FT☐☐-ECON)



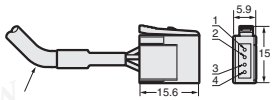
Terminal No.	Specifications
1	+V
2	---
3	0 V
4	Output

Retro-reflective Models (Side-view)

E3T-SR2□
E3T-SR3□



e-CON Pre-wired Connector (E3T-SR□□-ECON)

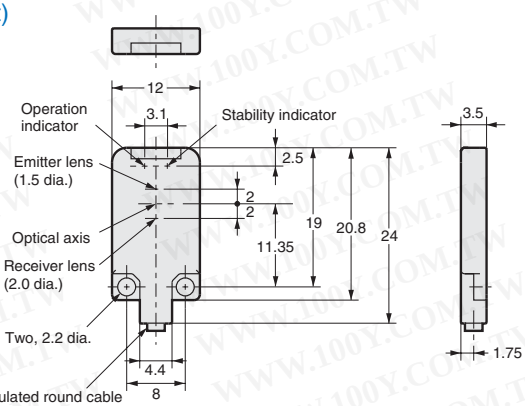


Terminal No.	Specifications
1	+V
2	---
3	0 V
4	Output

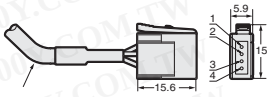
* Refer to *Mounting the Sensor on Moving* Parts on page 16 for details on Robotics Cable models.

Diffuse-reflective Models (Flat)

E3T-FD1□



e-CON Pre-wired Connector (E3T-FD□□-ECON)

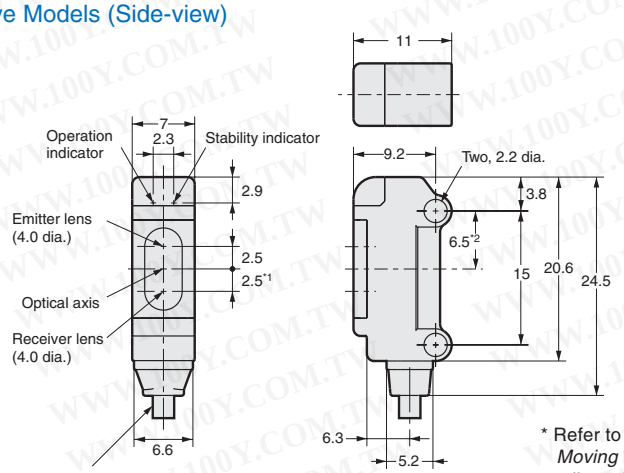


Terminal No.	Specifications
1	+V
2	---
3	0 V
4	Output

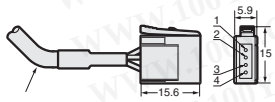
* Refer to *Mounting the Sensor on Moving* Parts on page 16 for details on Robotics Cable models.

Convergent-reflective Models (Side-view)

E3T-SL1□
E3T-SL2□



e-CON Pre-wired Connector (E3T-SL□□-ECON)

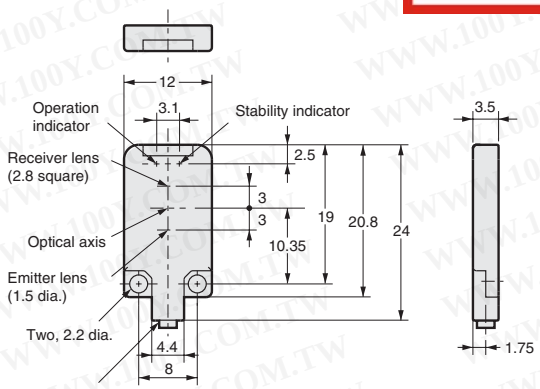


Terminal No.	Specifications
1	+V
2	---
3	0 V
4	Output

* Refer to *Mounting the Sensor on Moving* Parts on page 16 for details on Robotics Cable models.

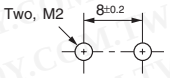
BGS Models (Flat)

E3T-FL1□
E3T-FL2□

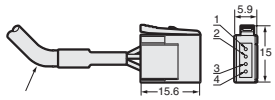


2.4-dia. vinyl-insulated round cable with 3 conductors
(Conductor cross section: 0.1 mm², Insulator diameter: 0.7 mm),
Standard length: 2 m

Mounting Holes



e-CON Pre-wired Connector (E3T-FL□□-ECON)



2.4-dia. vinyl-insulated round cable with 3 conductors
Standard lengths: 0.3 m and 2 m

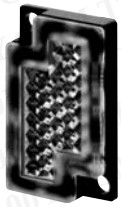
* Refer to *Mounting the Sensor on Moving* Parts on page 16 for details on Robotics Cable models.

Terminal No.	Specifications
1	+V
2	---
3	0 V
4	Output

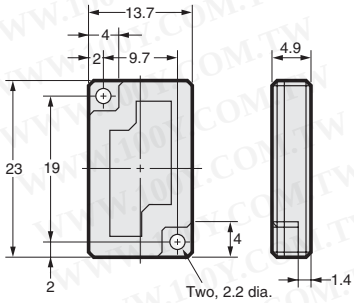
Accessories

Reflector (Provided with E3T-SR2□)

E39-R4



Material, reflective surface: acrylic
Rear surface: ABS

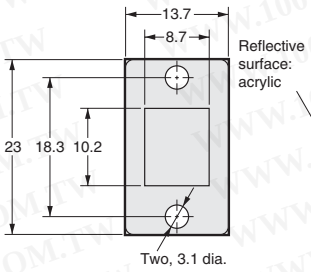


Reflector (Provided with E3T-SR3□)

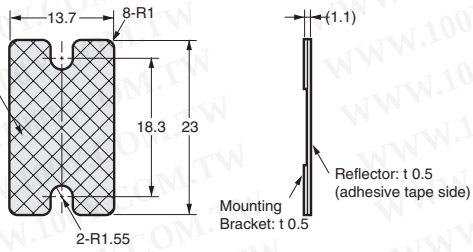
E39-R37

Material: Mounting plate: stainless steel (SUS301)
Reflective surface: acrylic

Mounting bracket



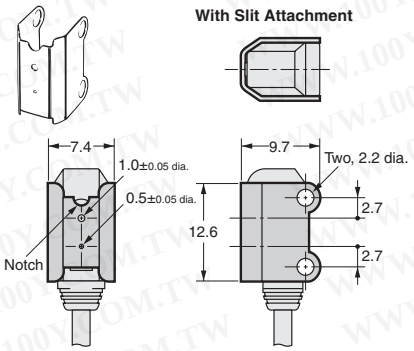
Reflector



Note: The reflective plate and mounting plate (1) come as a set.

Accessories (Order Separately)

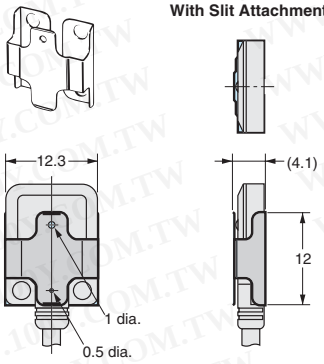
Slit for E3T-ST1□ Through-beam Models
E39-S63



Material: 0.2 mm thick stainless steel (SUS301)

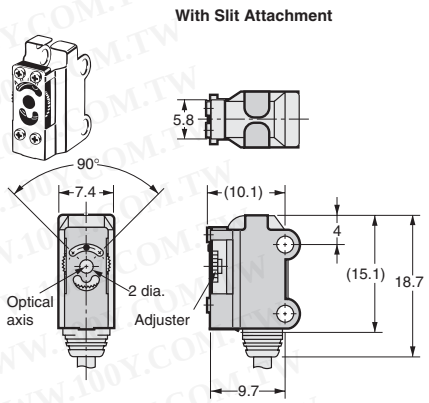
Note: Align the notch direction of the Slit when installing on the Emitter and Receiver.

Slit for E3T-FT1□ Through-beam Models
E39-S64



Material: 0.1 mm thick stainless steel (SUS301)

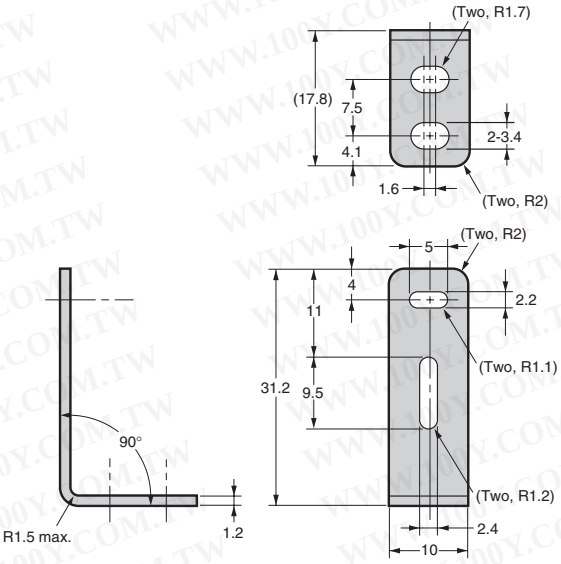
Sensitivity Adjustment Unit (for E3T-ST1□ Through-beam Models)
E39-E10

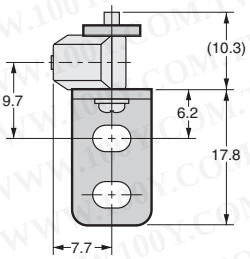


Material: 0.1 mm thick stainless steel (SUS301)

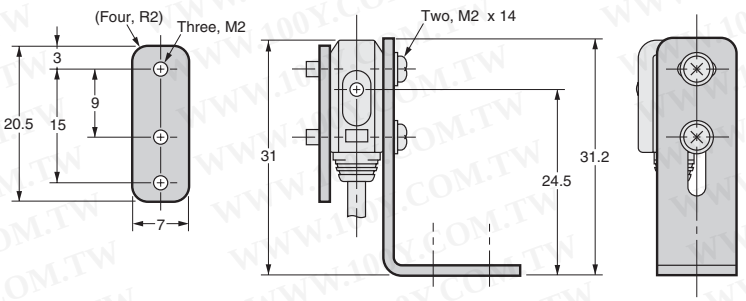
Mounting Brackets for Side-view Models
E39-L116

Material: 1.2 mm thick stainless steel (SUS304)





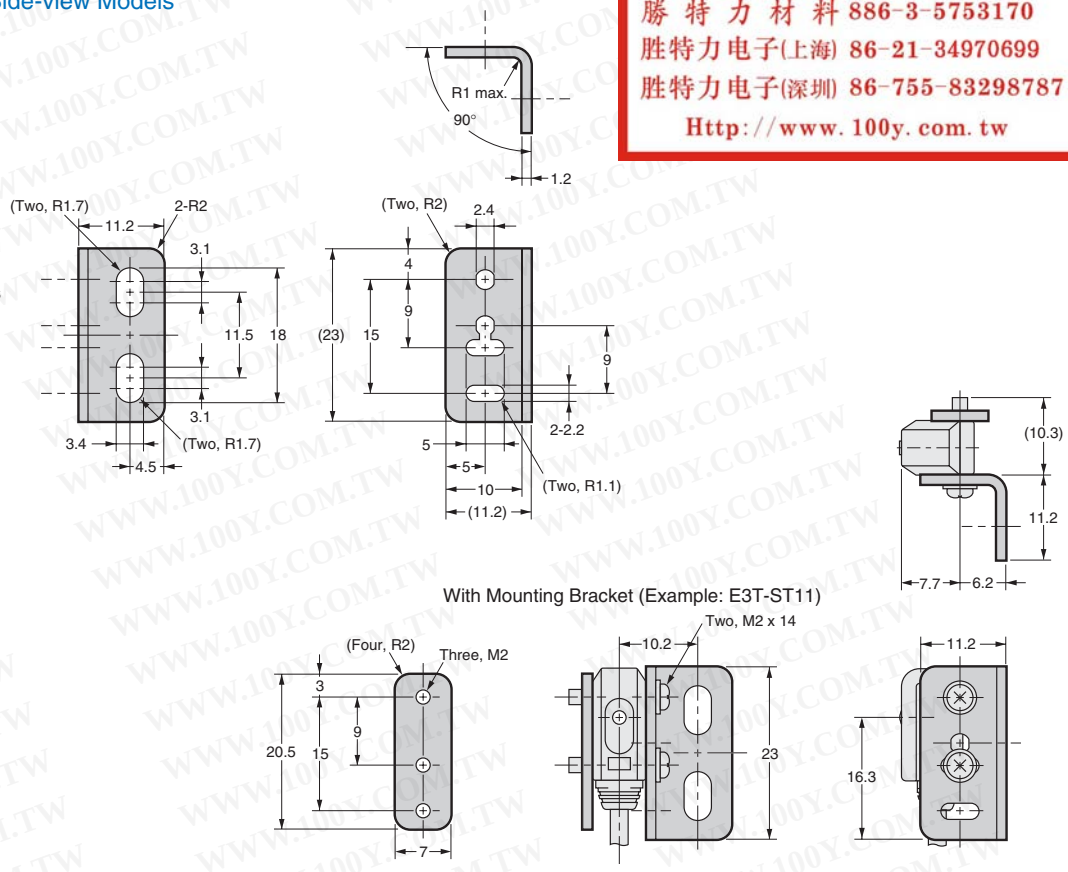
With Mounting Bracket (Example: E3T-ST11)



Mounting Brackets for Side-view Models

E39-L117

Material: 1.2 mm thick stainless steel (SUS304)

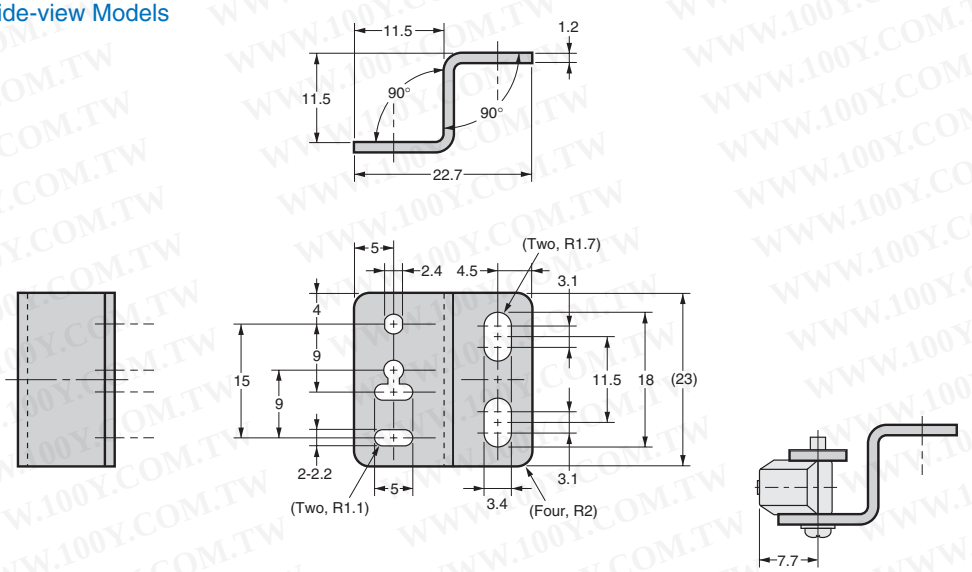


With Mounting Bracket (Example: E3T-ST11)

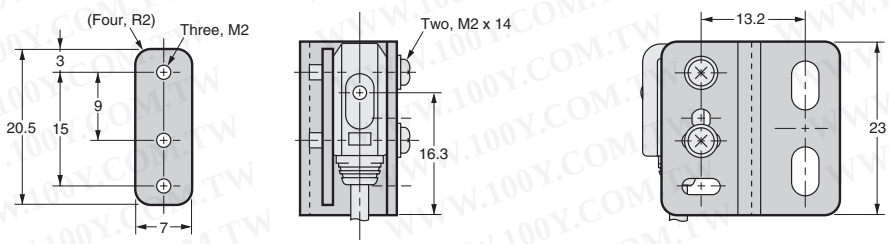
Mounting Brackets for Side-view Models

E39-L118

Material: 1.2 mm thick stainless steel (SUS304)



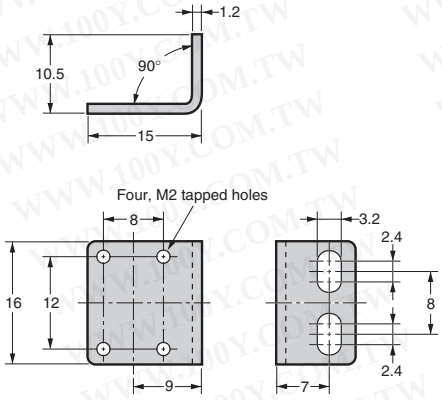
With Mounting Bracket (Example: E3T-ST11)



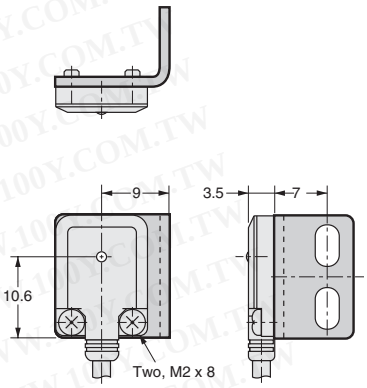
Mounting Brackets for Flat Models

E39-L119

Material: 1.2 mm thick stainless steel (SUS304)



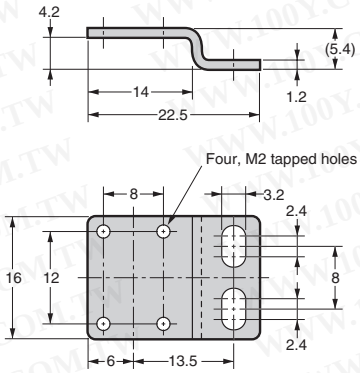
With Mounting Bracket (Example: E3T-FT11)



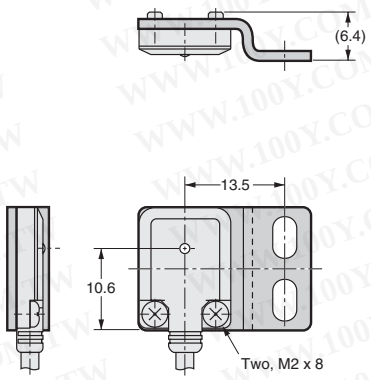
Mounting Brackets for Flat Models

E39-L120

Material: 1.2 mm thick stainless steel (SUS304)



With Mounting Bracket (Example: E3T-FT11)



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