

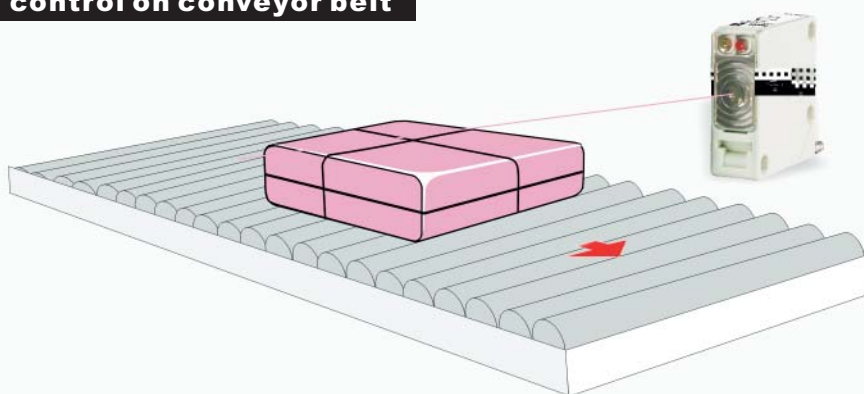
RP50 SERIES

● Selection Guide	D-01
● Sensors Type	D-02...D-05
● Specifications	D-06...D-08
● SensorsDimensions	D-09...D-11
● Circuit Diagram	D-12
● Precautions ForProper Use	D-13
● Sensing Characteristics.....	D-14

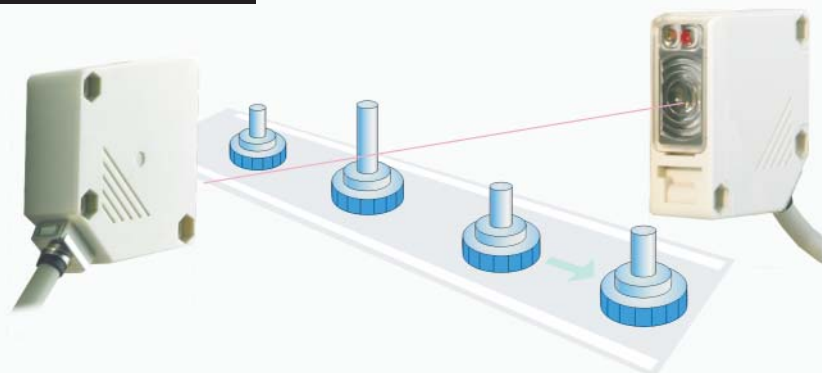


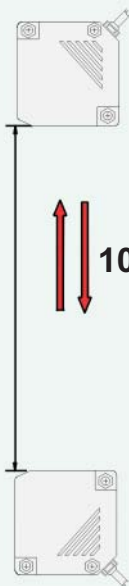
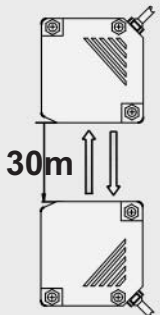


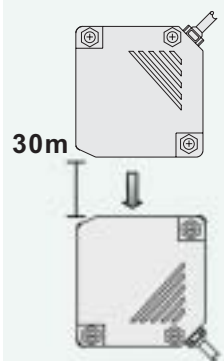
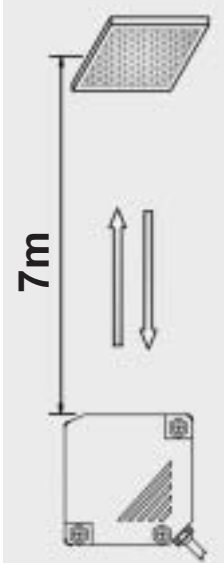
Material control on conveyor belt

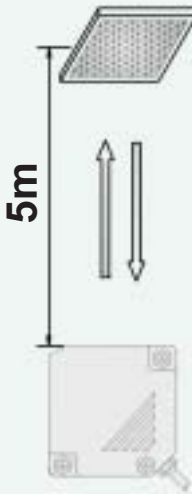
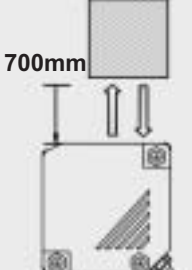


Control of object is height

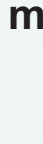


Sensing mode	Connection	Supply Voltage	Output mode	Part Number
 Oppose mode Sensing distance: 10m Light source : red led	2m cable 	12-240V DC or 24-240V AC	Emitter	RP50-T010MD-EY6C2L2
			SPDT RELAY(Light-ON)	RP50-T010MR-LY6C5L2
			SPDT RELAY (Dark-ON)	RP50-T010MR-DY6C5L2
	5m cable 	12-240V DC or 24-240V AC	Emitter	RP50-T010MD-EY6C2L5
			SPDT RELAY(Light-ON)	RP50-T010MR-LY6C5L5
			SPDT RELAY (Dark-ON)	RP50-T010MR-DY6C5L5
	EURO 4 Pin 	12-240V DC or 24-240V AC	Emitter	RP50-T010MD-EY6Q4LE
			SPDT RELAY(Light-ON)	RP50-T010MR-LY6Q4LE
			SPDT RELAY (Dark-ON)	RP50-T010MR-DY6Q4LE
	EURO 4 Pin 	12-240V DC or 24-240V AC	Emitter	RP50-T010MD-EY6P4LE
			SPDT RELAY(Light-ON)	RP50-T010MR-LY6P4LE
			SPDT RELAY (Dark-ON)	RP50-T010MR-DY6P4LE
 Diffuse mode Sensing distance: 30m Light source : infrared led	2m cable 	12-240V DC or 24-240V AC	Emitter	RP50-T030MD-EY9C2L2
			SPDT RELAY(Light-ON)	RP50-T030MR-LY9C5L2
			SPDT RELAY (Dark-ON)	RP50-T030MR-DY9C5L2
	5m cable 	12-240V DC or 24-240V AC	Emitter	RP50-T030MD-EY9C2L5
			SPDT RELAY(Light-ON)	RP50-T030MR-LY9C5L5
			SPDT RELAY (Dark-ON)	RP50-T030MR-DY9C5L5

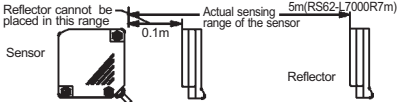
Sensing mode	Connection	Supply Voltage	Output mode	Part Number
 Oppose mode Sensing distance: 30m Light source: infrared led	EURO 4 Pin 	12-240V DC or 24-240V AC	Emitter	RP50-T030MD-EY9Q4LE
			SPDT RELAY (Light-ON)	RP50-T030MR-LY9Q4LE
			SPDT RELAY (Dark-ON)	RP50-T030MR-DY9Q4LE
	EURO 4 Pin 	12-240V DC or 24-240V AC	Emitter	RP50-T030MD-EY9P4LE
			SPDT RELAY (Light-ON)	RP50-T030MR-LY9P4LE
			SPDT RELAY (Dark-ON)	RP50-T030MR-DY9P4LE
 Retroreflective mode Sensing distance: 7m Light source : infrared led	2m cable 	12-240V DC or 24-240V AC	SPDT RELAY (Light-ON)	RP50-L7000R-LY9C5L2
			SPDT RELAY (Dark-ON)	RP50-L7000R-DY9C5L2
			—	—
	5m cable 	12-240V DC or 24-240V AC	SPDT RELAY (Light-ON)	RP50-L7000R-LY9C5L5
			SPDT RELAY (Dark-ON)	RP50-L7000R-DY9C5L5
			—	—
	EURO 4 Pin 	12-240V DC or 24-240V AC	SPDT RELAY (Light-ON)	RP50-L7000R-LY9Q4LE
			SPDT RELAY (Dark-ON)	RP50-L7000R-DY9Q4LE
			—	—
	EURO 4 Pin 	12-240V DC or 24-240V AC	SPDT RELAY (Light-ON)	RP50-L7000R-LY9P4LE
			SPDT RELAY (Dark-ON)	RP50-L7000R-DY9P4LE
			—	—

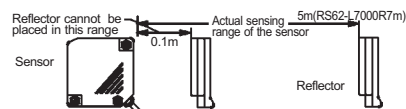
Sensing mode	Connection	Supply Voltage	Output mode	Part Number
 Retroreflective mode With Polarizing filter Sensing distance: 50m Light source : red led	2m cable 	12-240V DC or 24-240V AC	SPDT RELAY(Light-ON)	RP50-L5000R-LY6C5L2-PF
			SPDT RELAY (Dark-ON)	RP50-L5000R-DY6C5L2-PF
			—	—
	5m cable 	12-240V DC or 24-240V AC	SPDT RELAY(Light-ON)	RP50-L5000R-LY6C5L5-PF
			SPDT RELAY (Dark-ON)	RP50-L5000R-DY6C5L5-PF
			—	—
	EURO 4 Pin 	12-240V DC or 24-240V AC	SPDT RELAY (Light-ON)	RP50-L5000R-LY6Q4LE-PF
			SPDT RELAY (Dark-ON)	—
			—	—
	EURO 4 Pin 	12-240V DC or 24-240V AC	SPDT RELAY (Light-ON)	RP50-L5000R-LY6P4LE-PF
			SPDT RELAY (Dark-ON)	RP50-L5000R-DY6P4LE-PF
			—	—
 Diffuse mode Sensing distance: 0.7m Light source : infrared led	2m cable 	12-240V DC or 24-240V AC	SPDT RELAY (Light-ON)	RP50-L0700R-LY9C5L2
			SPDT RELAY (Dark-ON)	RP50-D0700R-DY9C5L2
			—	—
	5m cable 	12-240V DC or 24-240V AC	SPDT RELAY (Light-ON)	RP50-D0700R-LY9C5L5
			SPDT RELAY (Dark-ON)	RP50-D0700R-DY9C5L5
			—	—

700 mm



Diffuse mode
Sensing distance: **0.7m**
Light source : **infrared led**

Item	Type	Retroreflective				Diffuse Mode		Diffuse reflective			
		With filters		Long sensing range						Long sensing range	
		RP50-L5000R-LY6C5L2-PF	RP50-L5000R-DY6C5L2-PF	RP50-L7000R-LY9C5L2	RP50-L7000R-DY9C5L2	RP50-D0700R-LY9C5L2	RP50-D0700R-DY9C5L2	RP50-T010MD-EY6C2L2(Emitter)		RP50-T030MD-EY6C2L2(Emitter)	
	Model No.							RP50-T010MR-EY6C2L2 (Receiver)	RP50-T010MR-EY6C2L2 (Receiver)	RP50-T030MR-LY9C5L2 (Receiver)	RP50-T030MR-DY9C5L2 (Receiver)
Sensing range		0.1 to 5 m		0.1 to 7 m		700 mm		10 m		30 m	
Sensing object		φ 50 mm or more Opaque, translucent or specular Object		φ 50 mm or more opaque or translucent object		Opaque, translucent or transparent object		φ 20 mm or more opaque object (If slit masks are fitted, an object as small as 3x6 mm can be detected.)			
Hysteresis						15% or less of operation					
Repeatability		0.2 mm or less				distance 0.3 mm or less		0.1 mm or less		0.2 mm or less	
Power supply		24 to 240V AC ± 10% or 12 to 240V DC ± 10% Ripple P-P 10% or less									
Power consumption		2VA or less						Emitter: 1VA or less Receiver: 2VA or less		Emitter: 1.5VA or Less Receiver: 2VA or less	
Output		Relay contact 1c • Switching capacity: 250V AC 1A (resistive load) 30V DC 2A (resistive load) • Electrical life: 100,000 or more operations (at rated AC load) 500,000 or more operations (at rated DC load) • Mechanical life: 100,000,000 or more operations									
Light/Dark operation		Light-ON	Dark-ON	Light-ON	Dark-ON	Light-ON	Dark-ON	Light-ON	Dark-ON	Light-ON	Dark-ON
Response time		10 ms or less									
Operation indicator		Red LED (lights up when the output is ON)									
Stability indicator		Green LED (lights up under stable light received condition or stable dark condition)									
Power indicator										Red LED (lights up when the power is ON)	
Sensitivity adjuster		Continuously variable adjuster				Continuously variable adjuster		Continuously variable adjuster			
Interference immunity		Incorporated (Two units of sensors can be mounted closely.)						(Use optional Interference prevention filters)			
Pollution degree		3 (Industrial environment)									
Enclose category		IP66(IEC)									
operating temperature		-20 to +55°C (No dew condensation or icing allowed) (Note3), Storage: -30 to +70°C									
Operating humidity		35 to 85% RH, Storage: 35 to 85% RH									
Ambient illuminance		Sunlight: 11,000 × at the light-receiving face, Incandescent light: 3500 × at the light-receiving face									
EMC		IEC 60947-5-2 Parts 7.2.6.1, 2, 3 or RFI > 3V/m (In 30-1000MHz), EFT > 1KV, ESD > 4KV (contact)									
Vlotage withstandability		IEC 60947-5-2 Parts 8.3.3.4, or 500V DC for one min between all supply terminals connected together and enclosure									
Insulation resistance		> 20M, with 500V DC megger between all supply terminals									
Vibration resistance		IEC 60947-5-2 Parts 7.4.2 or 10-55Hz 1.0m amplitude in X Y and Z directions for 30 min									
Shock resistance		IEC 60947-5-2 Parts 7.4.1 or 30g 11ms in X Y and Z directions for six time each									
Emitting element		Red LED (modulated)		Infrared LED (modulated)				Red LED (modulated)		Infrared LED (modulated)	
Material		Enclosure: Acrylonitrile Butadiene Styrene (ABS), Lens: Polycarbonate, Cover: Acrylonitrile Butadiene Styrene (ABS), Front cover: Acrylic (retroreflective type sensor only)									
Cable		0.3 mm ² 5-core (thru-beam type emitter: 2-core) cabtyre cable, 2m long									
Cable length		Extension up to total 100m is possible with 0.3mm ² , or more, cable (thru-beam type: both emitter and receiver).									
Weight		140g approx.						Emitter: 100g approx Receiver: 140g approx.		Emitter: 125g approx.. Receiver: 140g approx.	
Notes		1) The sensing range and the sensing object of the retroreflective type sensor is specified for the reflector. Further, the sensing range is the possible setting range for the reflector. 2) The sensing range of the diffuse reflective type sensor is specified for white non-glossy paper (200 x 200 mm) as the object. 									



PHOTOELECTRIC

SPECIFICATIONS

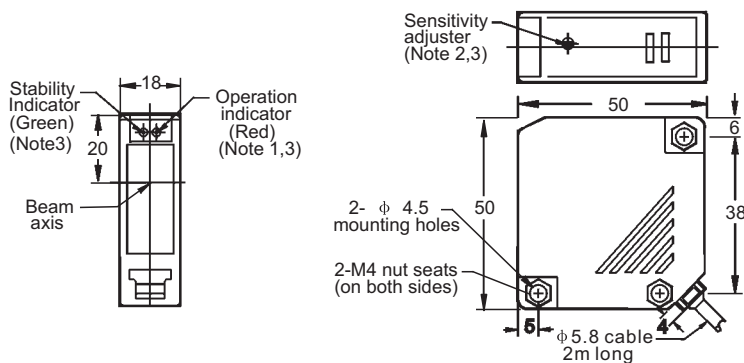
RP50 SERIES

Type		Retroreflective				Diffuse Mode		Diffuse reflective			
		With filters		Long sensing range						Long sensing range	
Item	Model No.	RP50-L5000R-LY6Q4LE-PF	RP50-L5000R-DY6Q4LE-PF	RP50-L7000R-LY9Q4LE	RP50-L7000R-DY9Q4LE	RP50-D0700R-LY9Q4LE	RP50-D0700R-DY9Q4LE	RP50-T010MD-EY6Q4LE(Emitter)		RP50-T030MD-EY6Q4LE(Emitter)	
								RP50-T010MR-EY6Q4LE (Receiver)	RP50-T010MR-EY6Q4LE (Receiver)	RP50-T030MR-LY9Q4LE (Receiver)	RP50-T030MR-DY9Q4LE (Receiver)
Sensing range		0.1 to 5 m		0.1 to 7 m		700 mm		10 m		30 m	
Sensing object		φ 50 mm or more Opaque, translucent or specular Object		φ 50 mm or more opaque or translucent object		Opaque, translucent or transparent object		φ 20 mm or more opaque object (If slit masks are fitted, an object as small as 3x6 mm can be detected.)			
Hysteresis						15% or less of operation					
Repeatability		0.2 mm or less				distance 0.3 mm or less		0.1 mm or less		0.2 mm or less	
Power supply		24 to 240V AC ± 10% or 12 to 240V DC ± 10% Ripple P-P 10% or less									
Power consumption		2VA or less						Emitter: 1VA or less Receiver: 2VA or less		Emitter: 1.5VA or Less Receiver: 2VA or less	
Output		Relay contact 1c • Switching capacity: 250V AC 1A (resistive load) 30V DC 2A (resistive load) • Electrical life: 100,000 or more operations (at rated AC load) 500,000 or more operations (at rated DC load) • Mechanical life: 100,000,000 or more operations									
Light/Dark operation		Light-ON	Dark-ON	Light-ON	Dark-ON	Light-ON	Dark-ON	Light-ON	Dark-ON	Light-ON	Dark-ON
Response time		10 ms or less									
Operation indicator		Red LED (lights up when the output is ON)									
Stability indicator		Green LED (lights up under stable light received condition or stable dark condition)									
Power indicator										Red LED (lights up when the power is ON)	
Sensitivity adjuster		Continuously variable adjuster				Continuously variable adjuster	Continuously variable adjuster				
Interference immunity		Incorporated (Two units of sensors can be mounted closely.)						(Use optional Interference prevention filters)			
Pollution degree		3 (Industrial environment)									
Enclose category		IP66(IEC)									
operating temperature		-20 to +55°C (No dew condensation or icing allowed) (Note3), Storage: -30 to +70°C									
Operating humidity		35 to 85% RH, Storage: 35 to 85% RH									
Ambient illuminance		Sunlight: 11,000 × at the light-receiving face, Incandescent light: 3500 × at the light-receiving face									
EMC		IEC 60947-5-2 Parts 7.2.6.1, 2, 3 or RFI > 3V/m (In 30-1000MHz), EFT > 1KV, ESD > 4KV (contact)									
Votage withstandability		IEC 60947-5-2 Parts 8.3.3.4, or 500V DC for one min between all supply terminals connected together and enclosure									
Insulation resistance		> 20M, with 500V DC megger between all supply terminals									
Vibration resistance		IEC 60947-5-2 Parts 7.4.2 or 10-55Hz 1.0m amplitude in X Y and Z directions for 30 min									
Shock resistance		IEC 60947-5-2 Parts 7.4.1 or 30g 11ms in X Y and Z directions for six time each									
Emitting element		Red LED (modulated)		Infrared LED (modulated)				Red LED (modulated)		Infrared LED (modulated)	
Material		Enclosure: Acrylonitrile Butadiene Styrene (ABS), Lens: Polycarbonate, Cover: Acrylonitrile Butadiene Styrene (ABS), Front cover: Acrylic (retroreflective type sensor only)									
Cable		0.3 mm ² 5-core (thru-beam type emitter: 2-core) cabtyre cable, 2m long									
Cable length		Extension up to total 100m is possible with 0.3mm ² , or more, cable (thru-beam type: both emitter and receiver).									
Weight		140g approx.						Emitter: 100g approx Receiver: 140g approx.		Emitter: 125g approx.. Receiver: 140g approx.	
Notes		1) The sensing range and the sensing object of the retroreflective type sensor is specified for the reflector. Further, the sensing range is the possible setting range for the reflector. 2) The sensing range of the diffuse reflective type sensor is specified for white non-glossy paper (200 x 200 mm) as the object. Reflector cannot be placed in this range Sensor 0.1m Actual sensing range of the Sensor 5m(RS62-L7000R7m) Reflector									

Item	Type	Retroreflective				Diffuse Mode		Diffuse reflective			
		With filters		Long sensing range						Long sensing range	
		RP50-L5000R-LY6P4LE-PF	RP50-L5000R-DY6P4LE-PF	RP50-L7000R-LY9P4LE	RP50-L7000R-DY9P4LE	RP50-D0700R-LY9P4LE	RP50-D0700R-DY9P4LE	RP50-T010MD-EY6P4LE(Emitter)		RP50-T030MD-EY6P4LE(Emitter)	
	Model No.						RP50-T010MR-EY64LE (Receiver)	RP50-T010MR-EY6P4LE (Receiver)	RP50-T030MR-LY9P4LE (Receiver)	RP50-T030MR-DY9P4LE (Receiver)	
Sensing range		0.1 to 5 m		0.1 to 7 m		700 mm		10 m		30 m	
Sensing object		φ 50 mm or more Opaque, translucent or specular Object		φ 50 mm or more opaque or translucent object		Opaque, translucent or transparent object		φ 20 mm or more opaque object (If slit masks are fitted, an object as small as 3x6 mm can be detected.)			
Hysteresis						15% or less of operation					
Repeatability		0.2 mm or less				distance 0.3 mm or less		0.1 mm or less		0.2 mm or less	
Power supply		24 to 240V AC ± 10% or 12 to 240V DC ± 10% Ripple P-P 10% or less									
Power consumption		2VA or less						Emitter: 1VA or less Receiver: 2VA or less		Emitter: 1.5VA or Less Receiver: 2VA or less	
Output		Relay contact 1c - Switching capacity:250V AC 1A (resistive load) 30V DC 2A (resistive load) - Electrical life:100,000 or more operations (at rated AC load) 500,000 or more operations (at rated DC load) - Mechanical life:100,000,000 or more operations									
Light/Dark operation		Light-ON	Dark-ON	Light-ON	Dark-ON	Light-ON	Dark-ON	Light-ON	Dark-ON	Light-ON	Dark-ON
Response time		10 ms or less									
Operation indicator		Red LED (lights up when the output is ON)									
Stability indicator		Green LED(lights up under stable light received condition or stable dark condition)									
Power indicator										Red LED (lights up when the power is ON)	
Sensitivity adjuster		Continuously variable adjuster				Continuously variable adjuster		Continuously variable adjuster			
Interference immunity		Incorporated (Two units of sensors can be mounted closely.)						(Use optional Interference prevention filters)			
Pollution degree		3 (Industrial environment)									
Enclose category		IP66(IEC)									
operating temperature		-20 to +55°C (No dew condensation or icing allowed) (Note3), Storage:-30 to +70°C									
Operating humidity		35 to 85% RH,Storage:35 to 85% RH									
Ambient illuminance		Sunlight:11,000 × at the light-receiving face, Incandescent light:3500 × at the light-receiving face									
EMC		IEC 60947-5-2 Parts 7.2.6.1,2,3 or RFI>3V/m(In30-1000MHz),EFT>1KV,ESD>4KV(contact)									
Vlotage withstandability		IEC 60947-5-2 Parts 8.3.3.4, or 500V DC for one min between all supply terminals connected together and enclosure									
Insulation resistance		>20M,with 500V DC megger between all supply terminals									
Vibration resistance		IEC 60947-5-2 Parts 7.4.2 or 10-55Hz 1.0m amplitude in X Y and Z directions for 30 min									
Shock resistance		IEC 60947-5-2 Parts 7.4.1 or 30g 11ms in X Y and Z directions for six time each									
Emitting element		Red LED (modulated)		Infrared LED (modulated)				Red LED (modulated)		Infrared LED (modulated)	
Material		Enclosure:Acrylonitrile Butadine Styrene (ABS),Lens:Polycarbonate,Cover:Acrylonitrile Butadine Styrene (ABS),Front cover:Acrylic (retroreflective type sensor only)									
Cable		0.3 mm ² 5-core (thru-beam type emitter:2-core) cabtyre cable,2m long									
Cable length		Extension up to total 100m is possible with 0.3mm ² ,or more, cable(thru-beam type: both emitter and receiver).									
Weight		140g approx.						Emitter: 100g approx Receiver:140g approx.		Emitter: 125g approx.. Receiver:140g approx.	
Notes		1) The sensing range and the sensing object of the retroreflective type sensor is specified for the reflector. Further, the sensing range is the possible setting range for the reflector. 2)The sensing range of the diffuse reflective type sensor is specified for white non-glossy paper (200 x 200 mm)as the object. Reflector cannot be placed in this range Sensor 0.1m Actual sensing range of the sensor 5m(RS62-L7000R7m) Reflector									

RP50-T010MD-EY6C2L2 RP50-T030MD-EY9C2L2
RP50-T010MR-DY6C5L2 RP50-T030MR-DY9C5L2

Oppose mode

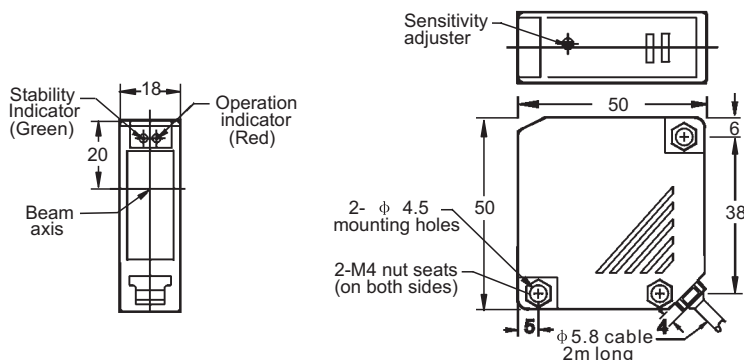


Notes:

- 1) It is the power indicator on the emitter of RP50-T030MD...
- 2) Not incorporated on RP50-T030MR...
- 3) Not incorporated on the emitter

RP50-L5000D-EY6C2L2-PF RP50-L7000D-EY9C2L2
RP50-L5000R-DY6C2L2-PF RP50-L7000R-DY9C5L2

Retroreflective mode

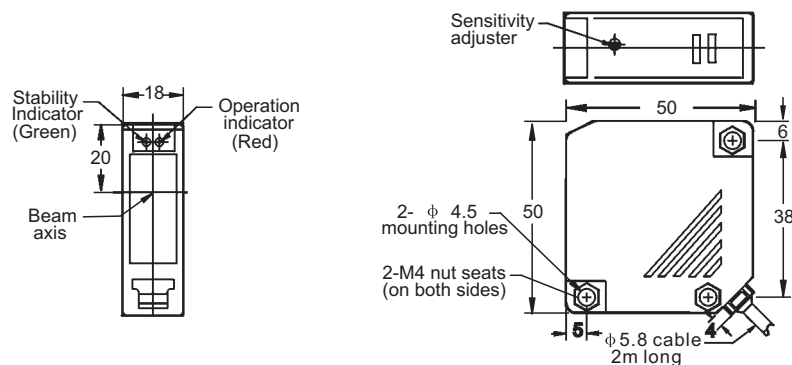


Notes:

- Not incorporated on RP50-L7000R

RP50-D0700R-LY9C5L2
RP50-D0700R-DY9C5L2

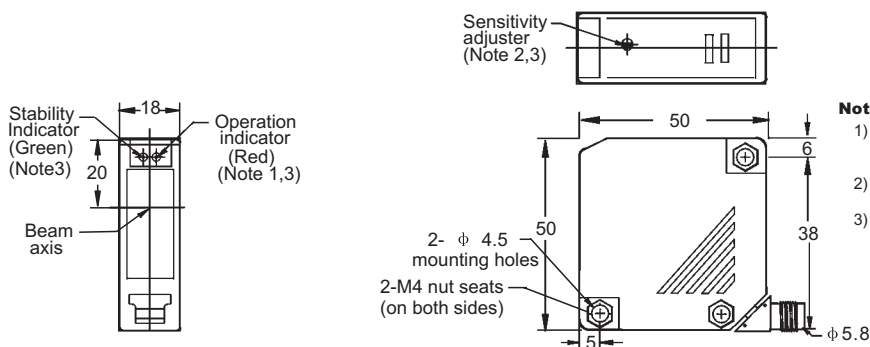
Diffuse Mode



RP50-T010MD-EY6Q4LE **RP50-T030MD-EY9Q4LE**
RP50-T010MR-DY6Q4LE **RP50-T030MR-DY9Q4LE**



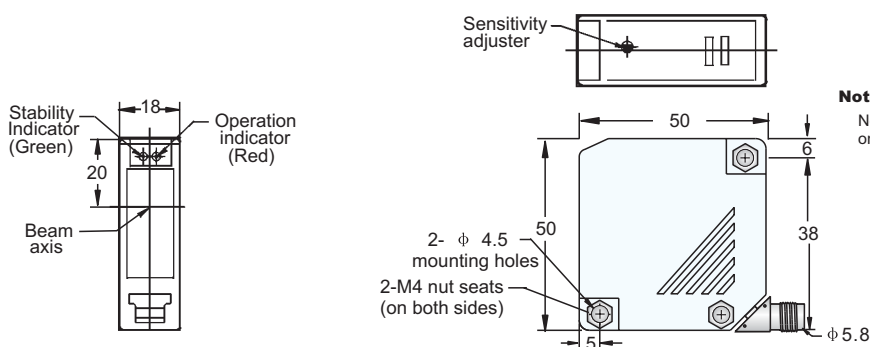
Oppose mode



RP50-L5000D-EY6Q4LE-PF **RP50-L7000D-EY9Q4LE**
RP50-L5000R-DY6Q4LE-PF **RP50-L7000R-DY9Q4LE**



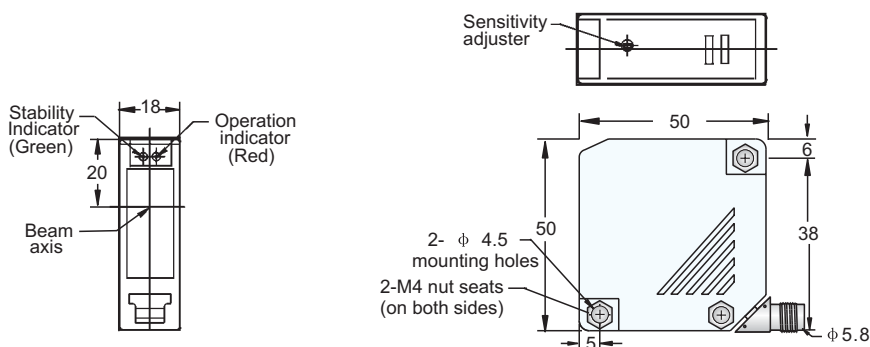
Retroreflective mode



RP50-D0700R-LY9Q4LE
RP50-D0700R-DY9Q4LE

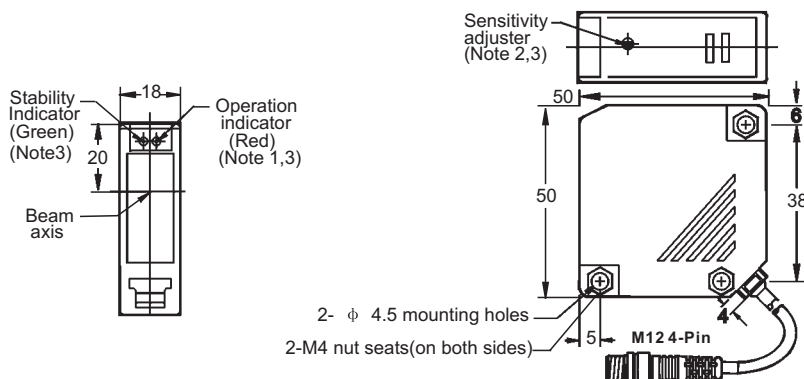


Diffuse Mode



RP50-T010MD-EY6P4LE RP50-T030MD-EY9P4LE RP50-T010MR-DY6P4LE RP50-T030MR-DY9P4LE

Oppose mode

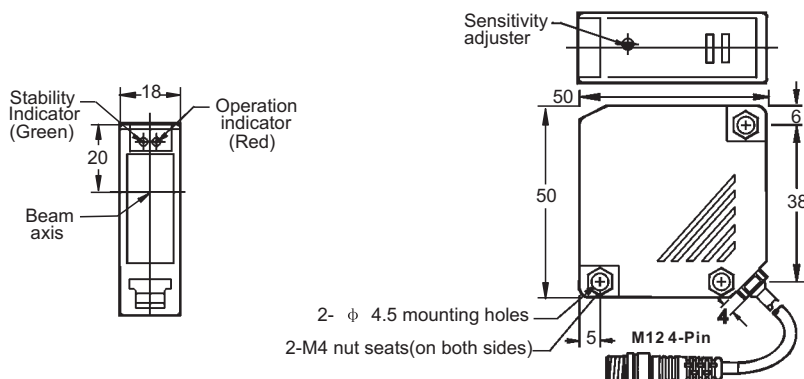


Notes:

- 1) It is the power indicator on the emitter of RP50-T030MD...
- 2) Not incorporated on RP50-T030MR...
- 3) Not incorporated on the emitter

RP50-L5000D-EY6P4LE-PF RP50-L7000D-EY9P4LE RP50-L5000R-DY6P4LE-PF RP50-L7000R-DY9P4LE

Retroreflective mode

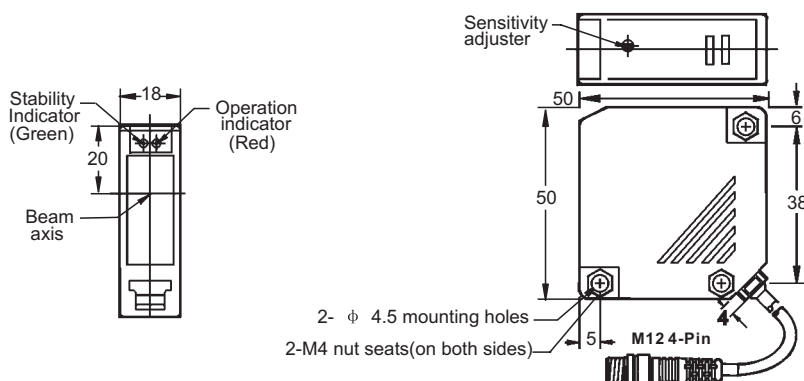


Notes:

- Not incorporated on RP50-L7000R

RP50-D0700R-LY9P4LE RP50-D0700R-DY9P4LE

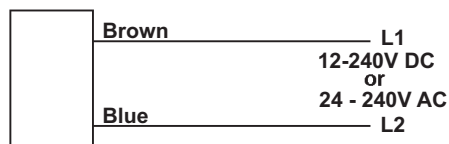
Diffuse Mode



Circuit diagram



Note: receiver or others mode's connection



Note: Emitter's connection

Object detected state

Sensing mode		Thru-beam & Retroreflective type				Diffuse reflective type			
		Light-ON type		Dark-ON type		Light-ON type		Dark-ON type	
Output		NO (Black cable)	NC (Gray cable)	NO (Black cable)	NO (Gray cable)	NO (Black cable)	NC (Gray cable)	NO (Black cable)	NO (Gray cable)
Output condition	Power OFF	Open	Close	Open	Close	Open	Close	Open	Close
	Beam-received	Close	Open	Open	Close	Close	Open	Open	Close
	Beam-interrupted	Open	Close	Close	Open	Open	Close	Close	Open

PHOTOELECTRIC

PRECAUTIONS FOR PROPER USE

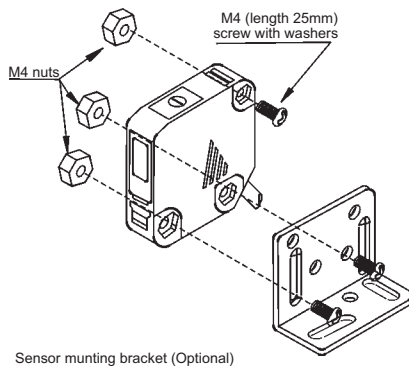
RP50 SERIES

Cautions: :::::

Don't use the sensor for a safety aim, because it's only designed for a normal object detection

Mounting :::::

- The tightening torque should be 0.8N.m or less.

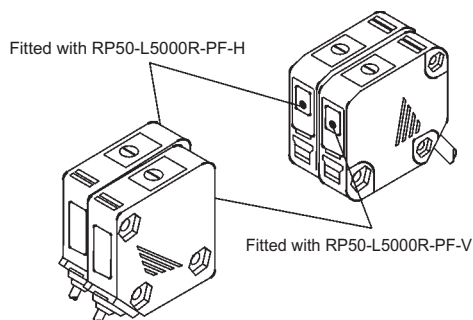


Others :::::

- Do not use during the initial transient time (50ms) after the power supply is switched on.

Interference prevention filter (Exclusively for RP50-T010M...) :::::

- Use the interference prevention filters (optional) when two units of thru-beam type sensors are mounted closely.



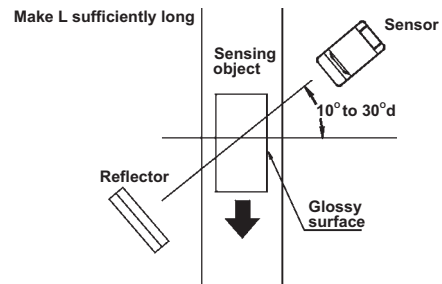
There are two types of interference prevention filters. The two sets of thru-beam type sensors should be fitted with different types of interference prevention filters.

Retroreflective type sensor (RP50-L7000R-LY9C5L2) :::::

- Please take care of the following points when detecting materials having a gloss.

- Make L, shown in the diagram, sufficiently long. Install at an angle of 10 to 30 degrees to the sensing object.

RP50-L5000R-LY6C5L2-PF; does not need the above adjustment.



Retroreflective type sensor with polarizing filters (RP50-L7000R-LY9C5L2) :::::

- If a shiny object is covered or wrapped with a transparent film, such as those described below, the retroreflective type sensor with polarizing filters may not be able to detect it.
- In that case, follow the steps given below.

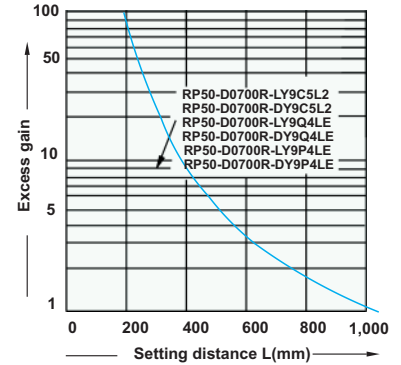
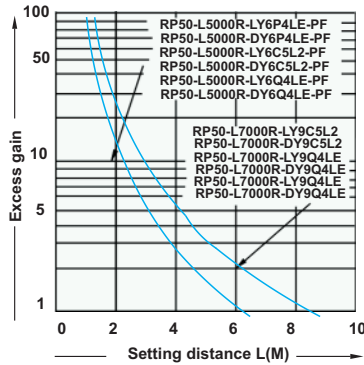
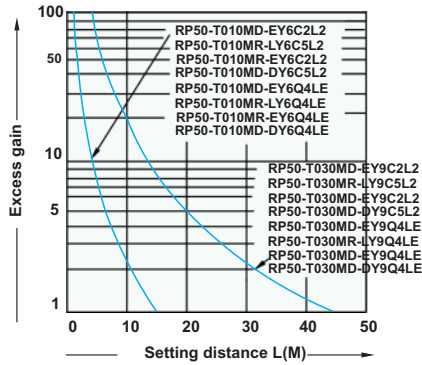
Example of sensing objects :::::

- Can wrapped by clear film
- Aluminum sheet covered by plastic film
- Gold or silver color (glossy) label or wrapping paper

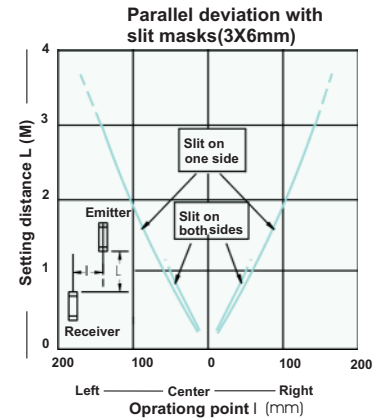
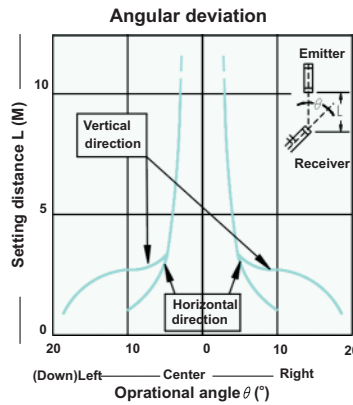
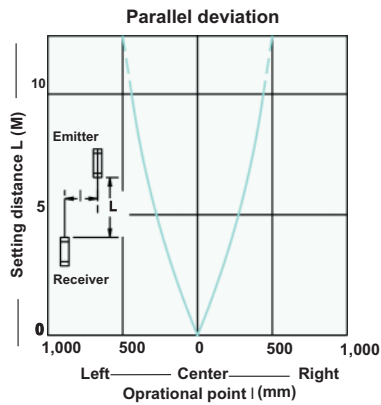
Steps :::::

- Tilt the sensor with respect to the sensing object while fitting.
- Reduce the sensitivity.
- Increase the distance between the sensor and the sensing object.

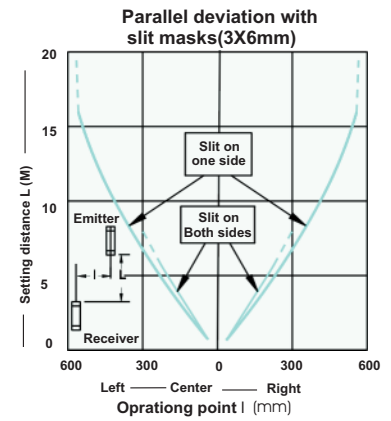
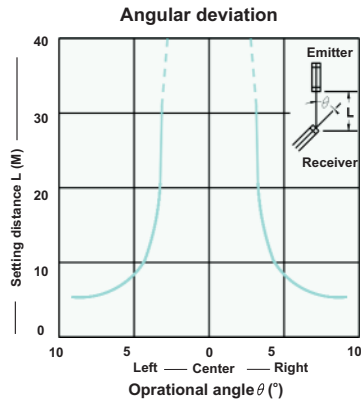
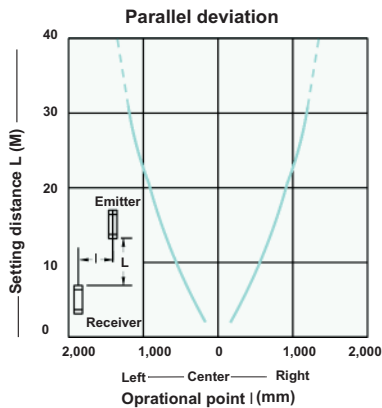
All models



RP50-T010MR-LY6C5L2 RP50-T010MR-DY6C5L2 RP50-T010MR-LY6Q4LE
RP50-T010MR-DY6Q4LE RP50-T010MR-DY6P4LE RP50-T010MR-LY6P4LE



RP50-T030MR-LY9C5L2 RP50-T030MR-LY9C5L2 RP50-T030MR-LY9Q4LE
RP50-T030MR-LY9Q4LE RP50-T030MR-LY9P4LE RP50-T030MR-LY9P4LE

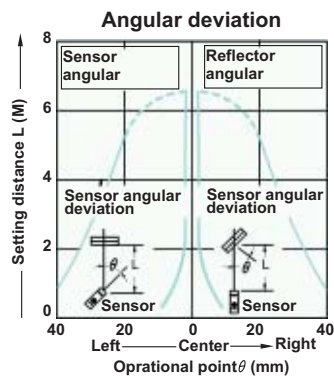
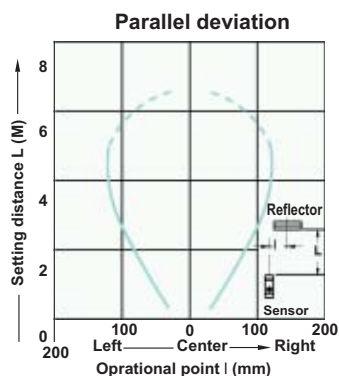


PHOTOELECTRIC

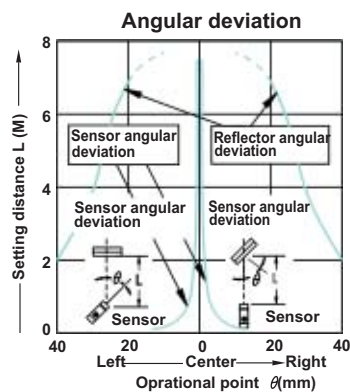
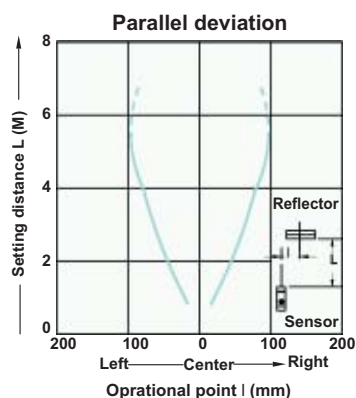
SENSING CHARACTERISTICS(typical)

RP50 SERIES

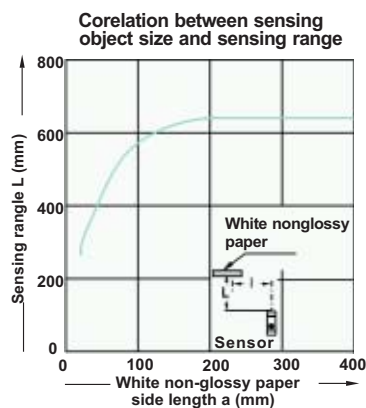
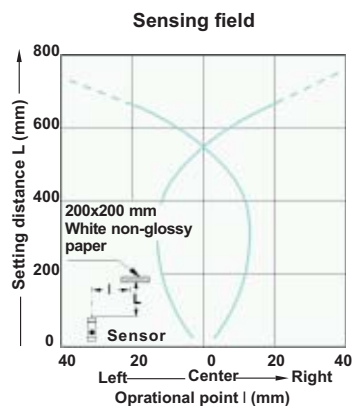
RP50-L5000R-LY6C5L2-PF RP50-L5000R-DY6C5L2-PF RP50-L5000R-LY6Q4LE-PE
 RP50-L5000R-DY6Q4LE-PF RP50-L5000R-DY6P4LE-PF RP50-L5000R-LY6P4LE-PE



RP50-L7000R-LY9C5L2 RP50-L7000R-DY9C5L2 RP50-L7000R-LY9Q4LE
 RP50-L7000R-DY9Q4LE RP50-L7000R-DY9P4LE RP50-L7000R-LY9P4LE



RP50-D0700R-LY9C5L2 RP50-D0700R-DY9C5L2 RP50-D0700R-LY9Q4LE
 RP50-D0700R-DY9Q4LE RP50-D0700R-DY9P4LE RP50-D0700R-LY9P4LE



As the sensing object size becomes smaller than the standard size (white non-glossy paper 200X200 mm), the sensing range shortens, as shown in the left graph.

For plotting the left graph, the sensitivity has been set such that a 200X200 mm white non-glossy paper is just detectable at a distance of 700 mm.