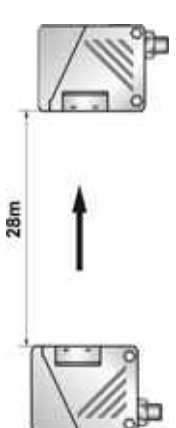






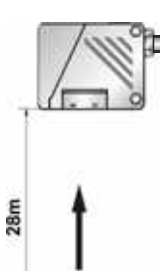





## Thru-beam Mode (DC)

Ag: RP76 SERIES

Sensing Mode	Connection	Supply Voltage	Output Mode	Part Number
<p style="text-align: center;">Infrared: 880nm</p>  <p style="text-align: center;">Thru-beam Mode Sensing Distance: 28m</p>	<p>Terminal</p> 	10-30V DC	Emitter	RP76-T028MD-EY9T4L
			NPN	RP76-T028MN-CY9T4U
			PNP	RP76-T028MP-CY9T4U
			NPN/PNP	RP76-T028MD-CY9T4U
			NPN , Timing delay	RP76-T028MN-CY9T4U-T
			PNP , Timing delay	RP76-T028MP-CY9T4U-T
			NPN/PNP, Timing delay	RP76-T028MD-CY9T4U-T
	<p>Quick Disconnect (0° or 90° settled)</p> 	10-30V DC (Euro Style)	Emitter	RP76-T028MD-EY9Q4LE
			NPN	RP76-T028MN-CY9Q4UE
			PNP	RP76-T028MP-CY9Q4UE
			NPN/PNP	RP76-T028MD-CY9Q4UE
			NPN , Timing delay	RP76-T028MN-CY9Q4UE-T
			PNP , Timing delay	RP76-T028MP-CY9Q4UE-T
			NPN/PNP, Timing delay	RP76-T028MD-CY9Q4UE-T
	<p>Quick Disconnect swivel 90°</p> 	10-30V DC (Euro Style)	Emitter	RP76-T028MD-EY9Q4LE-S
			NPN	RP76-T028MN-CY9Q4UE-S
			PNP	RP76-T028MP-CY9Q4UE-S
			NPN/PNP	RP76-T028MD-CY9Q4UE-S
			NPN , Timing delay	RP76-T028MN-CY9Q4UE-TS
			PNP , Timing delay	RP76-T028MP-CY9Q4UE-TS
			NPN/PNP, Timing delay	RP76-T028MD-CY9Q4UE-TS
<p>6" Pigtail</p> 	10-30V DC (Euro Style)	Emitter	RP76-T028MD-EY9P4LE	
		NPN	RP76-T028MN-CY9P4UE	
		PNP	RP76-T028MP-CY9P4UE	
		NPN/PNP	RP76-T028MD-CY9P4UE	
		NPN , Timing delay	RP76-T028MN-CY9P4UE-T	
		PNP , Timing delay	RP76-T028MP-CY9P4UE-T	
		NPN/PNP, Timing delay	RP76-T028MD-CY9P4UE-T	

**Note:**  
 Coming Soon : Part numbers with underline  
 In Preparation: Part numbers with a line through the middle  
 — Ag-01 —

## Thru-beam Mode (AC/DC)

Sensing Mode	Connection	Supply Voltage	Output Mode	Part Number	
<b>Infrared: 880nm</b>    <b>Thru-beam Mode</b> <b>Sensing Distance: 28m</b>	<b>Terminal</b>  	12-240V DC/ 24-240V AC	Emitter (2-wire)	RP76-T028MA-EY9T4L	
	<b>Quick Disconnect (0° or 90° settled)</b>  		12-240V DC/ 24-240V AC (Micro Style)	Relay NO (4-wire)	RP76-T028MR-CY9T4L
				Relay NO, Timing delay (4-wire)	RP76-T028MR-CY9T4L-T
				SPST Solid-state Light-ON/Dark-ON (2-wire)	
		Emitter (2-wire)		RP76-T028MA-EY9Q4LM	
	<b>Quick Disconnect swivel 90°</b>  	12-240V DC/ 24-240V AC (Micro Style)	Relay NO (4-wire)	RP76-T028MR-CY9Q4LM	
			Relay NO, Timing delay (4-wire)	RP76-T028MR-CY9Q4LM-T	
			SPST Solid-state Light-ON/Dark-ON (2-wire)		
			Emitter (2-wire)	RP76-T028MA-EY9Q4LM-S	
	<b>6" Pigtail</b>  	12-240V DC/ 24-240V AC (Micro Style)	Relay NO (4-wire)	RP76-T028MR-CY9Q4LM-S	
			Relay NO, Timing delay (4-wire)	RP76-T028MR-CY9Q4LM-TS	
			SPST Solid-state Light-ON/Dark-ON (2-wire)		
Emitter (2-wire)			RP76-T028MA-EY9P4LM		
<b>6" Pigtail</b>  	12-240V DC/ 24-240V AC (Micro Style)	Relay NO (4-wire)	RP76-T028MR-CY9P4LM		
		Relay NO, Timing delay (4-wire)	RP76-T028MR-CY9P4LM-T		
		SPST Solid-state Light-ON/Dark-ON (2-wire)			
		Emitter (2-wire)	RP76-T028MA-EY9P4LM		

**Note:**  
 Coming Soon : Part numbers with underline  
 In Preparation: Part numbers with a line through the middle  
 — Ag-02 —

Ag: RP76 SERIES

## Diffuse Mode

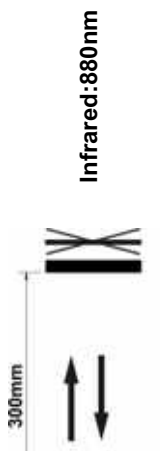




Ag: RP76 SERIES

Sensing Mode	Connection	Supply Voltage	Output Mode	Part Number
<p style="text-align: center;">Infrared: 880nm</p> <p style="text-align: center;">800mm</p> <p style="text-align: center;">Diffuse Mode Sensing Distance: 800mm</p>	<p>Terminal</p>	<p>10-30V DC</p>	NPN	RP76-D0800N-CY9T4U
			PNP	RP76-D0800P-CY9T4U
			NPN/PNP	RP76-D0800D-CY9T4U
			NPN , Timing delay	RP76-D0800N-CY9T4U-T
			PNP , Timing delay	RP76-D0800P-CY9T4U-T
			NPN/PNP, Timing delay	RP76-D0800D-CY9T4U-T
	<p>12-240V DC/ 24-240V AC</p>	Relay NO (4-wire)	RP76-D0800R-CY9T4L	
		Relay NO, Timing delay (4-wire)	RP76-D0800R-CY9T4L-T	
		SPST Solid-state L.O./D.O. (2-wire)		
	<p>Quick Disconnect (0° or 90° settled)</p>	<p>10-30V DC (Euro Style)</p>	NPN	RP76-D0800N-CY9Q4UE
			PNP	RP76-D0800P-CY9Q4UE
			NPN/PNP	RP76-D0800D-CY9Q4UE
			NPN , Timing delay	RP76-D0800N-CY9Q4UE-T
			PNP , Timing delay	RP76-D0800P-CY9Q4UE-T
			NPN/PNP, Timing delay	RP76-D0800D-CY9Q4UE-T
	<p>12-240V DC/ 24-240V AC (Micro Style)</p>	Relay NO (4-wire)	RP76-D0800R-CY9Q4LM	
		Relay NO, Timing delay (4-wire)	RP76-D0800R-CY9Q4LM-T	
		SPST Solid-state L.O./D.O. (2-wire)		
	<p>Quick Disconnect swivel 90°</p>	<p>10-30V DC (Euro Style)</p>	NPN	RP76-D0800N-CY9Q4UE-S
			PNP	RP76-D0800P-CY9Q4UE-S
			NPN/PNP	RP76-D0800D-CY9Q4UE-S
			NPN , Timing delay	RP76-D0800N-CY9Q4UE-TS
			PNP , Timing delay	RP76-D0800P-CY9Q4UE-TS
			NPN/PNP, Timing delay	RP76-D0800D-CY9Q4UE-TS
<p>12-240V DC/ 24-240V AC (Micro Style)</p>	Relay NO (4-wire)	RP76-D0800R-CY9Q4LM-S		
	Relay NO, Timing delay (4-wire)	RP76-D0800R-CY9Q4LM-TS		
	SPST Solid-state L.O./D.O. (2-wire)			
<p>6" Pigtail</p>	<p>10-30V DC (Euro Style)</p>	NPN	RP76-D0800N-CY9P4UE	
		PNP	RP76-D0800P-CY9P4UE	
		NPN/PNP	RP76-D0800D-CY9P4UE	
		NPN , Timing delay	RP76-D0800N-CY9P4UE-T	
		PNP , Timing delay	RP76-D0800P-CY9P4UE-T	
		NPN/PNP, Timing delay	RP76-D0800D-CY9P4UE-T	
	<p>12-240V DC/ 24-240V AC (Micro Style)</p>	Relay NO (4-wire)	RP76-D0800R-CY9P4LM	
		Relay NO, Timing delay (4-wire)	RP76-D0800R-CY9P4LM-T	
		SPST Solid-state L.O./D.O. (2-wire)		

**Note:**

Coming Soon : Part numbers with underline  
 In Preparation: Part numbers with a line through the middle  
 —Ag-03—

## Diffuse Mode with Background Suppression

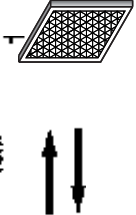




Sensing Mode	Connection	Supply Voltage	Output Mode	Part Number
<p style="text-align: center;">Infrared: 880nm</p>  <p style="text-align: center;">300mm</p> <p style="text-align: center;">Diffuse Mode with Background Suppression Sensing Distance: 300mm</p>	<b>Terminal</b>  	<b>10-30V DC</b>	NPN	RP76-D0300N-CY9T4U-BS
			PNP	RP76-D0300P-CY9T4U-BS
			NPN/PNP	RP76-D0300D-CY9T4U-BS
			NPN , Timing delay	RP76-D0300N-CY9T4U-BT
			PNP , Timing delay	RP76-D0300P-CY9T4U-BT
			NPN/PNP, Timing delay	RP76-D0300D-CY9T4U-BT
	<b>12-240V DC/ 24-240V AC</b>	Relay NO (4-wire)	RP76-D0300R-CY9T4L-BS	
		Relay NO, Timing delay (4-wire)	RP76-D0300R-CY9T4L-BT	
		SPST Solid-state L.O./D.O. (2-wire)		
	<b>Quick Disconnect (0° or 90° settled)</b>  	<b>10-30V DC (Euro Style)</b>	NPN	RP76-D0300N-CY9Q4UE-BS
			PNP	RP76-D0300P-CY9Q4UE-BS
			NPN/PNP	RP76-D0300D-CY9Q4UE-BS
			NPN , Timing delay	RP76-D0300N-CY9Q4UE-BT
			PNP , Timing delay	RP76-D0300P-CY9Q4UE-BT
			NPN/PNP, Timing delay	RP76-D0300D-CY9Q4UE-BT
	<b>12-240V DC/ 24-240V AC (Micro Style)</b>	Relay NO (4-wire)	RP76-D0300R-CY9Q4LM-BS	
		Relay NO, Timing delay (4-wire)	RP76-D0300R-CY9Q4LM-BT	
		SPST Solid-state L.O./D.O. (2-wire)		
	<b>Quick Disconnect swivel 90°</b>  	<b>10-30V DC (Euro Style)</b>	NPN	RP76-D0300N-CY9Q4UE-SB
			PNP	RP76-D0300P-CY9Q4UE-SB
			NPN/PNP	RP76-D0300D-CY9Q4UE-SB
			NPN , Timing delay	RP76-D0300N-CY9Q4UE-TB
			PNP , Timing delay	RP76-D0300P-CY9Q4UE-TB
			NPN/PNP, Timing delay	RP76-D0300D-CY9Q4UE-TB
<b>12-240V DC/ 24-240V AC (Micro Style)</b>	Relay NO (4-wire)	RP76-D0300R-CY9Q4LM-SB		
	Relay NO, Timing delay (4-wire)	RP76-D0300R-CY9Q4LM-TB		
	SPST Solid-state L.O./D.O. (2-wire)			
<b>6" Pigtail</b>  	<b>10-30V DC (Euro Style)</b>	NPN	RP76-D0300N-CY9P4UE-BS	
		PNP	RP76-D0300P-CY9P4UE-BS	
		NPN/PNP	RP76-D0300D-CY9P4UE-BS	
		NPN , Timing delay	RP76-D0300N-CY9P4UE-BT	
		PNP , Timing delay	RP76-D0300P-CY9P4UE-BT	
		NPN/PNP, Timing delay	RP76-D0300D-CY9P4UE-BT	
<b>12-240V DC/ 24-240V AC (Micro Style)</b>	Relay NO (4-wire)	RP76-D0300R-CY9P4LM-BS		
	Relay NO, Timing delay (4-wire)	RP76-D0300R-CY9P4LM-BT		
	SPST Solid-state L.O./D.O. (2-wire)			

**Note:**  
 Coming Soon : Part numbers with underline  
 In Preparation: Part numbers with a line through the middle  
 —Ag-04—

Ag: RP76 SERIES







## Retroreflective Mode with Polarizing Filter

Ag: RP76 SERIES

Sensing Mode	Connection	Supply Voltage	Output Mode	Part Number
<p style="text-align: center;">LED red:660nm</p>  <p style="text-align: center;">10m</p> <p style="text-align: center;">Retro-reflective Mode with Polarizing Filter Sensing Distance:10m (Note)</p>	<p>Terminal</p> 	10-30V DC	NPN	RP76-L010MN-CY6T4U-PF
			PNP	RP76-L010MP-CY6T4U-PF
			NPN/PNP	RP76-L010MD-CY6T4U-PF
			NPN , Timing delay	RP76-L010MN-CY6T4U-TP
			PNP , Timing delay	RP76-L010MP-CY6T4U-TP
			NPN/PNP,Timing delay	RP76-L010MD-CY6T4U-TP
	<p>QuickDisconnect(0°or90°settled)</p> 	10-30V DC (Euro Style)	NPN	RP76-L010MN-CY6Q4UE-PF
			PNP	RP76-L010MP-CY6Q4UE-PF
			NPN/PNP	RP76-L010MD-CY6Q4UE-PF
			NPN , Timing delay	RP76-L010MN-CY6Q4UE-TP
			PNP , Timing delay	RP76-L010MP-CY6Q4UE-TP
			NPN/PNP,Timing delay	RP76-L010MD-CY6Q4UE-TP
	<p>Quick Disconnect swivel 90°</p> 	10-30V DC (Euro Style)	NPN	RP76-L010MN-CY6Q4UE-PS
			PNP	RP76-L010MP-CY6Q4UE-PS
			NPN/PNP	RP76-L010MD-CY6Q4UE-PS
			NPN , Timing delay	RP76-L010MN-CY6Q4UE-PT
			PNP , Timing delay	RP76-L010MP-CY6Q4UE-PT
			NPN/PNP,Timing delay	RP76-L010MD-CY6Q4UE-PT
	<p>6" Pigtail</p> 	10-30V DC (Euro Style)	NPN	RP76-L010MN-CY6P4UE-PF
			PNP	RP76-L010MP-CY6P4UE-PF
			NPN/PNP	RP76-L010MD-CY6P4UE-PF
			NPN , Timing delay	RP76-L010MN-CY6P4UE-TP
			PNP , Timing delay	RP76-L010MP-CY6P4UE-TP
			NPN/PNP,Timing delay	RP76-L010MD-CY6P4UE-TP
12-240V DC/ 24-240V AC (Micro Style)		Relay NO (4-wire)	RP76-L010MR-CY6P4LM-PF	
		Relay NO, Timing delay (4-wire)	RP76-L010MR-CY6P4LM-TP	
		SPST Solid-state L.O./D.O. (2-wire)		
		Relay NO (4-wire)	RP76-L010MR-CY6Q4LM-PF	
		Relay NO, Timing delay (4-wire)	RP76-L010MR-CY6Q4LM-TP	
		SPST Solid-state L.O./D.O. (2-wire)		

**Note:** Used with RE-6152 (supplied with sensor) reflector.  
**In Preparation:** Part numbers with a line through the middle

## Glass Fiber Optic Mode

Sensing Mode	Connection	Supply Voltage	Output Mode	Part Number	
<p style="text-align: center;">LED red:660nm</p>  <p style="text-align: center;">800mm</p>  <p style="text-align: center;">75mm</p> <p style="text-align: center;">Glass Fiber-optic Sensing Distance (Note)</p>	Terminal	10-30V DC	NPN	RP76-FGFN-CY6T4U	
			10-30V DC	PNP	RP76-FGFP-CY6T4U
				NPN/PNP	RP76-FGFD-CY6T4U
				NPN , Timing delay	RP76-FGFN-CY6T4U-T
				PNP , Timing delay	RP76-FGFP-CY6T4U-T
				NPN/PNP, Timing delay	RP76-FGFD-CY6T4U-T
		12-240V DC/ 24-240V AC		Relay NO (4-wire)	RP76-FGFR-CY6T4L
	12-240V DC/ 24-240V AC	Relay NO, Timing delay (4-wire)	RP76-FGFR-CY6T4L-T		
	12-240V DC/ 24-240V AC	SPST Solid-state L.O./D.O. (2-wire)			
	Quick Disconnect (0° or 90° settled)		10-30V DC (Euro Style)	NPN	RP76-FGFN-CY6Q4UE
				PNP	RP76-FGFP-CY6Q4UE
				NPN/PNP	RP76-FGFD-CY6Q4UE
				NPN , Timing delay	RP76-FGFN-CY6Q4UE-T
				PNP , Timing delay	RP76-FGFP-CY6Q4UE-T
				NPN/PNP, Timing delay	RP76-FGFD-CY6Q4UE-T
	12-240V DC/ 24-240V AC (Micro Style)	12-240V DC/ 24-240V AC (Micro Style)	Relay NO (4-wire)	RP76-FGFR-CY6Q4LM	
			Relay NO, Timing delay (4-wire)	RP76-FGFR-CY6Q4LM-T	
			SPST Solid-state L.O./D.O. (2-wire)		
	Quick Disconnect swivel 90°		10-30V DC (Euro Style)	NPN	RP76-FGFN-CY6Q4UE-S
				PNP	RP76-FGFP-CY6Q4UE-S
				NPN/PNP	RP76-FGFD-CY6Q4UE-S
				NPN , Timing delay	RP76-FGFN-CY6Q4UE-TS
				PNP , Timing delay	RP76-FGFP-CY6Q4UE-TS
				NPN/PNP, Timing delay	RP76-FGFD-CY6Q4UE-TS
12-240V DC/ 24-240V AC (Micro Style)	12-240V DC/ 24-240V AC (Micro Style)	Relay NO (4-wire)	RP76-FGFR-CY6Q4LM-S		
		Relay NO, Timing delay (4-wire)	RP76-FGFR-CY6Q4LM-TS		
		SPST Solid-state L.O./D.O. (2-wire)			
6" Pigtail		10-30V DC (Euro Style)	NPN	RP76-FGFN-CY6P4UE	
			PNP	RP76-FGFP-CY6P4UE	
			NPN/PNP	RP76-FGFD-CY6P4UE	
			NPN , Timing delay	RP76-FGFN-CY6P4UE-T	
			PNP , Timing delay	RP76-FGFP-CY6P4UE-T	
			NPN/PNP, Timing delay	RP76-FGFD-CY6P4UE-T	
		12-240V DC/ 24-240V AC (Micro Style)	12-240V DC/ 24-240V AC (Micro Style)	Relay NO (4-wire)	RP76-FGFR-CY6P4LM
				Relay NO, Timing delay (4-wire)	RP76-FGFR-CY6P4LM-T
				SPST Solid-state L.O./D.O. (2-wire)	

Note: Depends on fiber optic used (Please see our Glass Fiber & Plastic Fiber catalogue for detail information).  
 In Preparation: Part numbers with a line through the middle

## Specifications (DC)

Item \ Sensing Mode	Thru-beam	Retroreflective (with polarizing filter)	Standard Diffuse	Diffuse (background suppression)	Glass Fiber Optic
<b>Sensing Range, Adjustable</b>	28m	10m (Note)	800 mm	300 mm	Depends on fiber optic used
<b>Angle of Divergence</b>	approx. 1°	approx. 1.7°	approx. 1.1°	approx. 1.7°	——
<b>Light Spot Size</b>	350mm@20m	150mm@5m	15mm@800mm	17mm@300mm	——
<b>Light Source</b>	Infrared 880nm	Red Light 660nm	Infrared 880nm	Infrared 880nm	Red Light 660nm
<b>Response Time/Frequency</b>	<=1ms/500Hz			<=2ms/250Hz	<=1ms/500Hz
<b>Supply Voltage</b>	10-30V DC (limit values)				
<b>Current Consumption (no load)</b>	<35 mA				
<b>Ripple (within Vs tolerance)</b>	<= 5 V peak-to-peak				
<b>Indicator LED</b>	Yellow: Power, Green: Output, Red: Margin (Emitter of thru-beam mode: Red LED)				
<b>Output Type</b>	PNP, NPN, PNP/NPN				
<b>Output Voltage High</b>	PNP is Vs (<=2.5V); NPN is approx. Vs				
<b>Output Voltage Low</b>	PNP is approx. 0V; NPN is <=1.5V				
<b>Output Current Max.</b>	100 mA				
<b>Operation Mode</b>	Light or dark switching selectable via switch				
<b>Housing Material</b>	ABS				
<b>Enclosure Rating</b>	IP 66 / NEMA 4				
<b>Circuit Protection</b>	Outputs short circuit and over current protected, Vs reverse polarity protected				
<b>Test Input</b>	0 V: light source off; VS or no connection: light source on (only for thru-beam mode)				
<b>Time Options</b>	No delay, On delay, Off delay, One-shot (with timer mode only)				
<b>Time Settings</b>	0.1 ... 5s Variable (with timer mode only)				
<b>Ambient Operating Temperature</b>	-25...55°C				
<b>Storage Temperature</b>	-40...70°C				
<b>EMC</b>	IEC 60947-5-2, Parts 7.2.6.1.2.3 or RFI>3V/m (in 80-1000MHz), EFT>1KV, ESD>4KV(contact)				
<b>Voltage With Stand Ability</b>	IEC 60947-5-2, Part 8.3.3.4 or 500VDC for one min, between all supply terminals connected together and enclosure				
<b>Insulation Resistance</b>	>20MΩ, with 500V DC megger between all supply terminals connected together and enclosure				
<b>Vibration Resistance</b>	IEC 60947-5-2, Part 7.4.2 or 10-55HZ, 1.0mm amplitude in x, y and z directions for 30 min				
<b>Shock Resistance</b>	IEC 60947-5-2, Part 7.4.1 or 30g, 11ms in x, y and z directions for six time each				
<b>Weight</b>	Approx. 120 g				
<b>Mounting Bracket</b>	MB-7263 (optional)				
<b>Pigtail Type</b>	See our <b>pigtail series</b> or our <b>Cables &amp; Connectors</b> catalogue				

Note: Used with RE-6152 (supplied with sensor) reflector.

## Specifications (AC/DC)

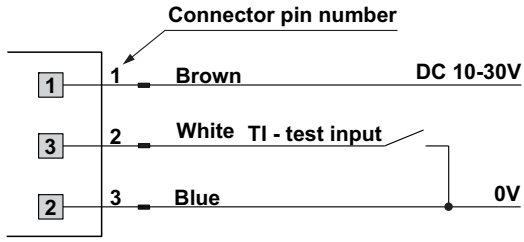
Item \ Sensing Mode	Thru-beam	Retroreflective (with polarizing filter)	Standard Diffuse	Diffuse (background suppression)	Glass Fiber Optic
<b>Sensing Range, Adjustable</b>	28m	10m (Note)	800 mm	300 mm	Depends on fiber optic used
<b>Angle of Divergence</b>	approx.1°	approx.1.7°	approx.1.1°	approx.1.7°	——
<b>Light Spot Size</b>	350mm@20m	150mm@5m	15mm@800mm	17mm@300mm	——
<b>Light Source</b>	Infrared 880nm	Red Light 660nm	Infrared 880nm	Infrared 880nm	Red Light 660nm
<b>Response Time / Frequency</b>	<20 ms /25 Hz				
<b>Supply Voltage</b>	12-240V DC / 24-240V AC ( 10%)				
<b>Power Consumption</b>	< 2 VA				
<b>Indicator LED</b>	Yellow: Power, Green: Output, Red: Margin (Emitter of thru-beam mode: Red LED)				
<b>Output Type</b>	Relay NO isolated (provide arc suppression for inductive / capacitive loads), SPST Solid-state with either normally closed or normally open contact				
<b>Switching Voltage Max.</b>	240 V AC				
<b>Switching Current Max.</b>	3 A				
<b>Current Consumption(No load)</b>	< 30 mA				
<b>Operation Mode</b>	Light or dark switching selectable via switch				
<b>Housing Material</b>	ABS				
<b>Enclosure Rating</b>	IP 66 / NEMA 4				
<b>Circuit Protection</b>	Output short circuit protected (only for 2-wire type), Vs reverse polarity protected				
<b>Time Options</b>	No delay, On delay, Off delay, One-shot (with timer mode only)				
<b>Time Settings</b>	Adjustable, 0.1...5 s (with timer mode only)				
<b>Ambient Operating Temperature</b>	-25...55°C				
<b>Storage Temperature</b>	-40...70°C				
<b>EMC</b>	IEC 60947-5-2, Parts 7.2.6.1.2.3 or RFI>3V/m(in 30-1000MHz), EFT>1KV, ESD>4KV(contact)				
<b>Voltage Withstand Ability</b>	IEC 60947-5-2, Part 8.3.3.4 or 1500V AC for one min, between all supply terminals connected together and enclosure				
<b>Insulation Resistance</b>	>20MΩ , with 500V AC megger between all supply terminals connected together and enclosure				
<b>Vibration Resistance</b>	IEC 60947-5-2, Part 7.4.2 or 10-55HZ, 1.0mm amplitude in x , y and z directions for 30 min				
<b>Shock Resistance</b>	IEC 60947-5-2, Part 7.4.1 or 30g, 11ms in x , y and z directions for six time each				
<b>Mounting Bracket</b>	MB-7263 (optional)				
<b>Weight</b>	approx. 120 g				
<b>Pig tail Type</b>	See <b>Pigtail Series</b> or our <b>Cables &amp; Connector</b> catalogue				

**Note:** Used with RE-6152 (supplied with sensor) reflector.



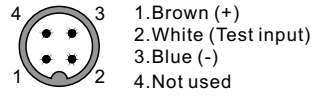
## Connection Diagrams

### Emitter of Thru-beam Mode (DC)

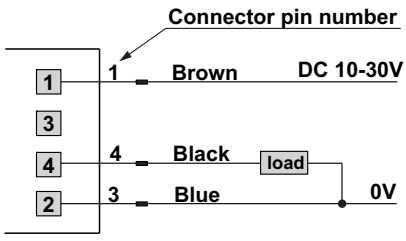


#### Connector pin position

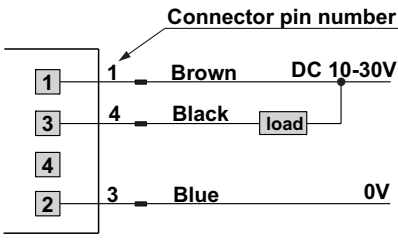
##### Euro-style



### PNP output type

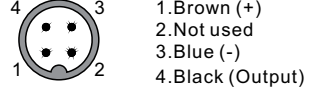


### NPN output type

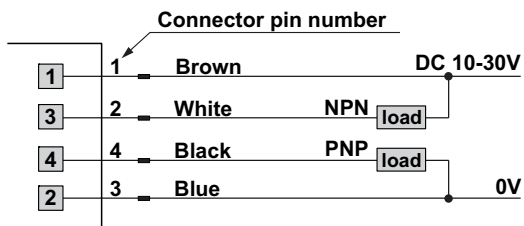


#### Connector pin position

##### Euro-style

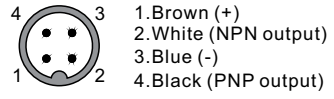


### NPN/PNP output type

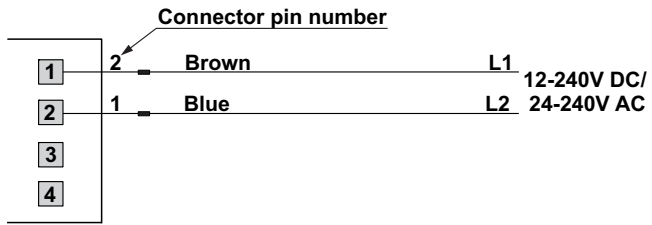


#### Connector pin position

##### Euro-style

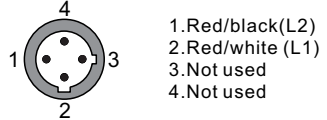


### Emitter of Thru-beam Mode (AC/DC)

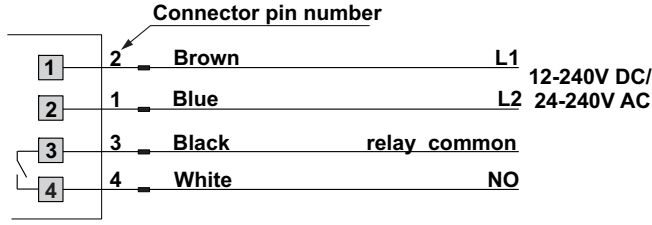


#### Connector pin position

##### Micro-style



### Relay output (AC/DC)

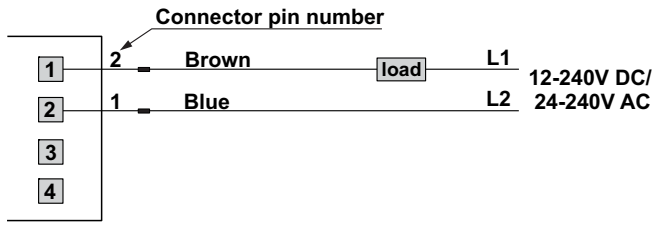


#### Connector pin position

##### Micro-style

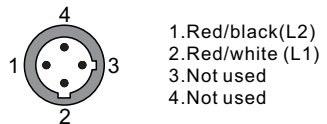


### SPST Solid-state output (AC/DC)



#### Connector pin position

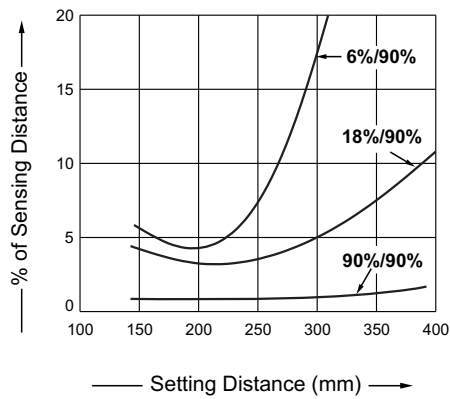
##### Micro-style



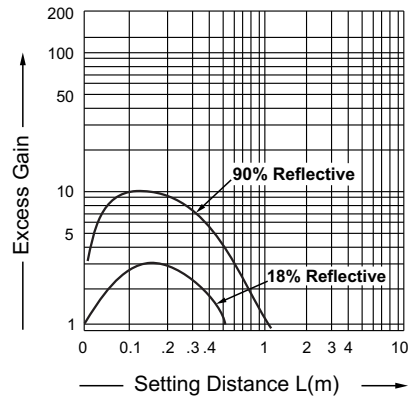
Ag: RP76 SERIES

## Sensing Characteristics (Typical)

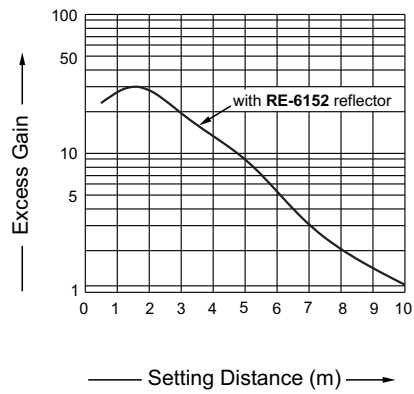
### Background Suppression Diffuse (Sn=300 mm)



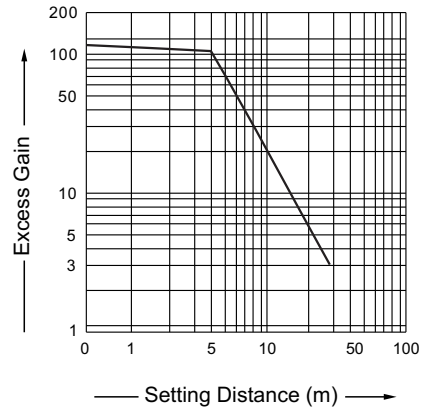
### Diffuse Mode (Sn=800 mm)



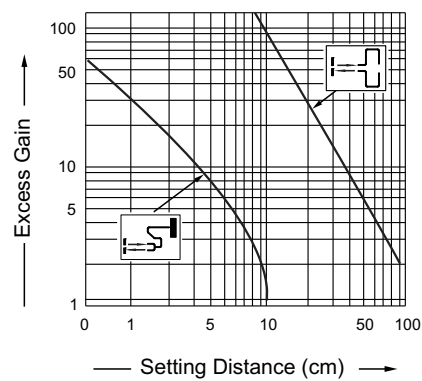
### Polarized Retro-reflective Mode (Sn=10m)



### Thru-beam Mode (Sn=28 m)



### Glass Fiber-Optic Mode

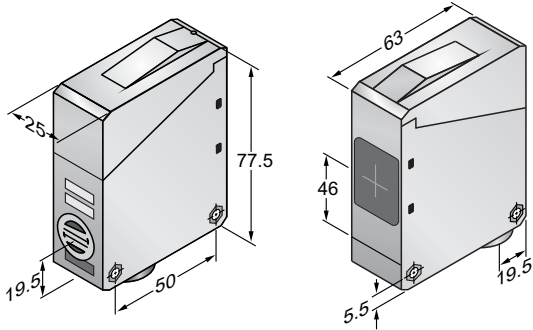


Ag: RP76 SERIES

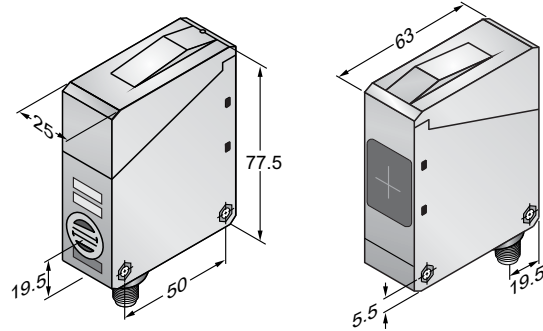
## Dimensions (Unit: mm)

### Sensor Type

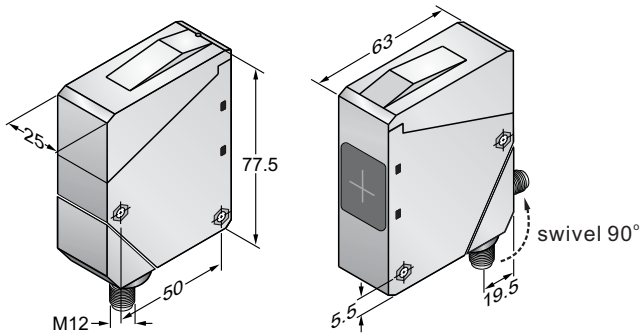
#### Terminal Type



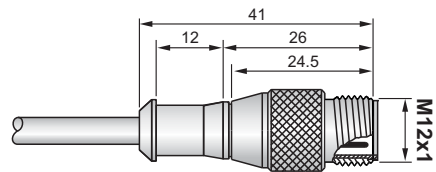
#### Quick Disconnect (0 or 90° settled)



#### Quick Disconnect (Swivel 90°)



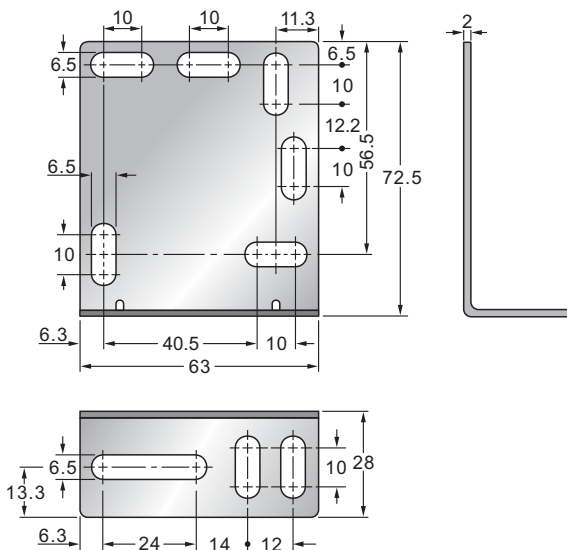
#### Pigtail\* Type



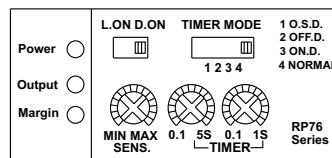
\*: Please see **Pigtail Series** or our **Cables & Connectors** catalogue for more information.

Ag: RP76 SERIES

### MB-7263 (Mounting bracket-optional)



### Timer Mode Panel



### Terminal Type

