

RP74 SERIES

RP74 Series

Image



Series Description

Multi-purpose Photoelectric Sensor

- Built-in Timer Modes
- Several Mounting Options
- Universal Power Supply
- Long Range

Modes

Through Beam	61m
Retroreflective	9.14m
Diffuse	3.04m
Clear Object Detection	1.2m
Fiber Optic Mode - (range depends on fiber used)	

Ranges

	Through-beam	Diffuse	Retroreflective (Polarized)	Fiber Optic	Clear Object Detection
Operating Range	61m (200 ft.)	3.04m (10 ft.)	9.14m (30 ft.)	Depends on fiber	1.20m (3.9 ft.)
Light Emission	880nm Infrared LED	880nm Red LED	660nm Red LED	880nm Infrared LED	660nm Red LED

DC Models (10-40 VDC) M12 - Recommended Mating Cable: part # R-FS4TZ-V075 (straight), R-FA4TZ-V075 (right-angle)

Emitter	RP74-T061MD-EY9Q4LE				
NPN / PNP - with timing	RP74-T061MD-CY9Q4UE-T	RP74-D3040D-CY9Q4UE-T	RP74-L9140D-CY6Q4UE-T	RP74-FGFD-CY9Q4UE-T	RP74-S1200D-CY6Q4UE-T

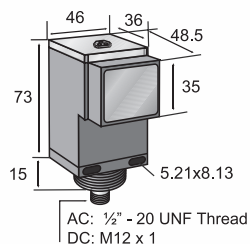
AC Models (12-240 VDC/24-240 VAC) 1/2"-20 UNF - Recommended Mating Cable: part # U-FS5TA-V105 (straight), U-FA5TA-V105 (right-angle)

Emitter	RP74-T061MA-EY9Q4LM				
SPDT Relay	RP74-T061MR-CY9Q5LM-T	RP74-D3040R-CY9Q5LM-T	RP74-L9140R-CY6Q5LM-T	RP74-FGFR-CY9Q5LM-T	RP74-S1200R-CY6Q5LM-T

Technical Data

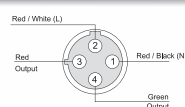
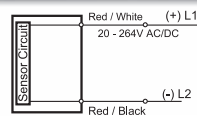
Power Supply	10-40 VDC or 12-240VDC/24-240 VAC
Indicator LEDs	Green: Power, Yellow: Output, Red: Margin
Current Consumption	30mA max.
Saturation Voltage	2.5 V max.
Output Current	30mA max.
Response Time	NPN/PNP: 5ms, SPDT Relay: 23ms
Timing Options	No Delay, On Delay, Off Delay, One-shot (for Models With Timing Delay).
Time Settings	Adjustable, 0.1...15s (for Models with Timing Delay)
Mechanical Protection	IP67
Housing Material	Glass Fiber Reinforced Plastic, Cover Gasket Material: Neoprene
Lens Material	Acrylic
Operating Temp.	-25...+55°C (-13...+131°F)
Storage Temp.	-40...+55°C (-40...+131°F)
Reference Standard	EN 60947-5-2

Dimensions

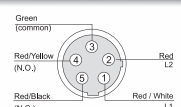
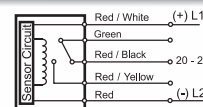


Connections

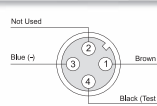
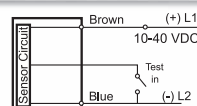
Emitter AC



AC Receiver, Diffuse & Retro.



Emitter DC



NPN/PNP

