

# Long Sensing Range Photo Sensor

# R3JK

## ◆ Characteristic / 特點 :

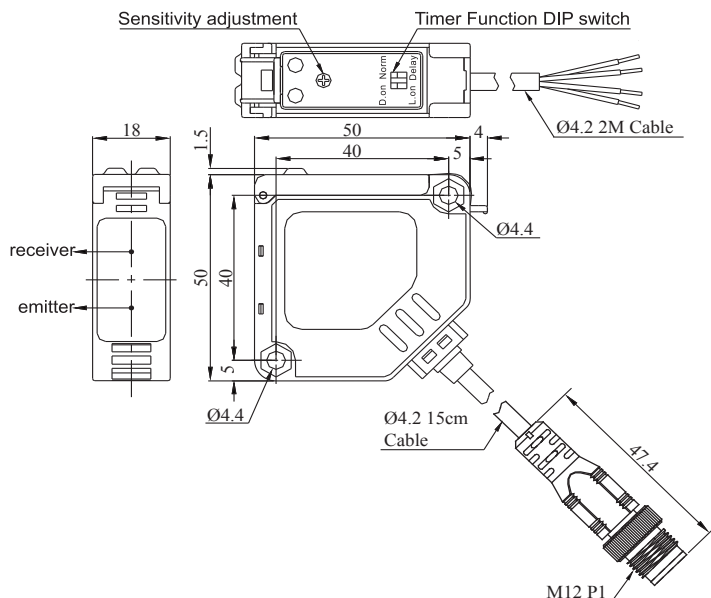
- Non-spherical optical lens./ 非球面光學鏡片。
- Off-delay 0.2 second./ Off-delay(0.2Sec.) 功能。
- Visible RED light for positioning.  
/ 可見紅光，方便調整對位。
- Special protective hood for dust-proof and greasiness-proof.  
/ 專用防塵蓋設計，可防灰塵及油污入侵。



## ◆ Specifications / 規格表 :

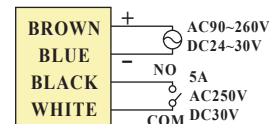
Model / 型號	R3JK-R5A3	R3JK-R5KP2	R3JK-QR2KP2	R3JK-PR2KP2
	—	R3JK-R5KP2K	R3JK-QR2KP2K	R3JK-PR2KP2K
Sensing type / 檢出方式	Retroreflective / 鏡片反射式		Retroreflective(RED) / 鏡片反射式(紅光)	Polarizing Retroreflective / 偏光鏡片反射式
Sensing distance / 檢出距離	5M		2M	
Emitting light / 發光源	Infrared LED 940 nm		Red LED 650 nm	
Operating voltage / 工作電壓	AC90 ~ 260V DC24~30V	DC12 ~ 24 V		
Current Consumption / 消耗電流	25 mA Max.	30 mA Max.		
Load current / 負載電流	Relay : DC30V 5A/ AC250V 5A	100mA Max. at DC24V		
Output type / 輸出模式	Relay out Com./NO.	NPN L.on/D.on		PNP D.on/L.on
Response time / 反應時間	1.5 ms Max.			
Insulation resistance / 隔離阻抗	20MΩ min. (DC500V)			
Voltage withstandability / 絕緣耐壓	AC1000V 60Hz for 60 Sec.			
Operating temperature/工作溫度	- 20 °C ~ + 60 °C			
Ambient humidity / 工作溼度	35% ~ 85% RH			
Protection degree / 防水等級	IP65			
Material / 外觀材質	ABS			
Wiring method / 出線方式	R3JK-□A3/ KP2	Pre-wired Ø4.2 x 2 M / 4-wires		
	R3JK-□KP2K	M12 Pigtailed type/ M12接頭 15cm電線式		
Weight / 重量	R3JK-□A3/ KP2	Approx. 85g	Approx. 80g	
	R3JK-□KP2K	—	Approx. 45g	

## ◆ Dimensions / 尺寸圖 : (unit:mm)

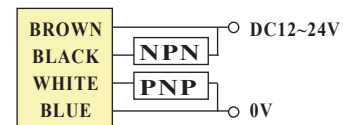


## ◆ Wiring diagrams / 接線圖 :

### A3 Output



### KP2 Output



### KP2K Output

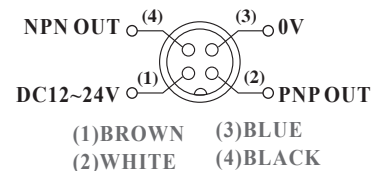


Photo / Area Photo / Ultrasonic Sensor

R5JM  
/R3JK

PTQ18

PMF  
/RMF  
/MMF

PK3  
/PK5  
/PM6

SU  
/SU15  
/SU07  
/SU30

SPR  
/RX

OAP  
/ASP

RU18