



# Rectangular Photo Sensor

# PK3

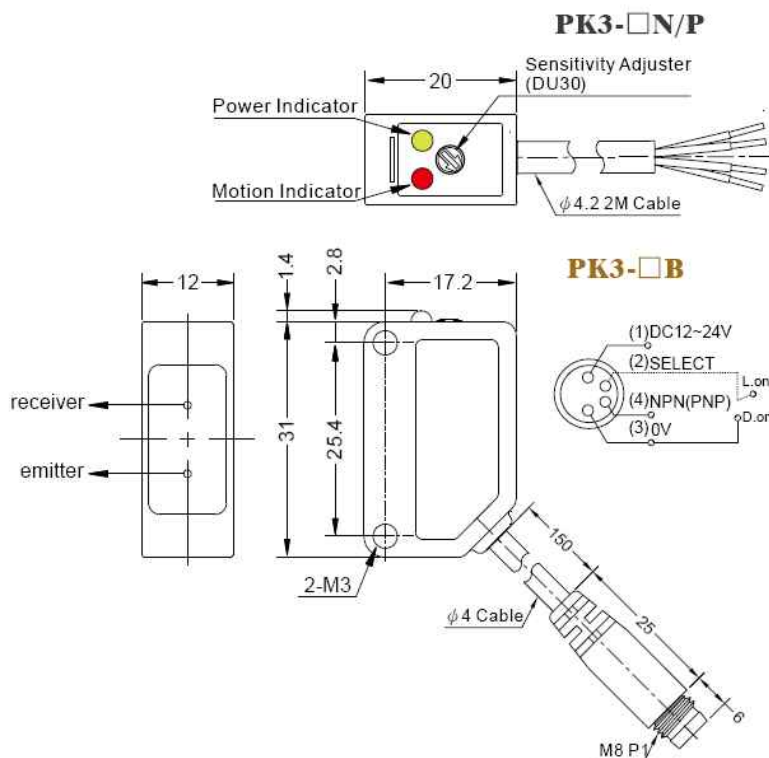
## ◆Shape / 外觀 :



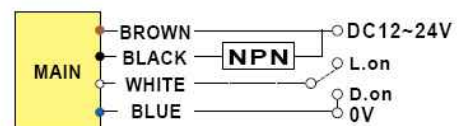
## ◆Specifications / 規格表 :

Model / 型號	Pre-wired Ø4.2	PK3-DU30N	PK3-DU30P	PK3-5N	PK3-5P
	M8 Pigtailed type	PK3-DU30NB	PK3-DU30PB	PK3-5NB	PK3-5PB
Sensing type / 檢出方式	Diffuse reflection / 擴散反射式			Through beam / 對照式	
Sensing distance / 檢出距離	30 cm · white paper 300x300 (60cm)			5M	
Emitting light / 發光源	Infrared LED 850 nm			Infrared LED. 940 nm	
Operating voltage / 工作電壓	DC12 ~ 24 V				
Current Consumption / 消耗電流	25 mA Max.			40 mA Max.	
Load current / 負載電流	100mA Max. at DC24V				
Output type / 輸出模式	NPN L.on/D.on	PNP L.on/D.on	NPN L.on/D.on	PNP L.on/D.on	PNP L.on/D.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	IP64				
Material / 外觀材質	ABS				
Wiring method / 出線方式	PK3-□N/P : Pre-wired Ø4.2 x 2 M / 4-wires PK3-□B : M8 pigtailed connector type / M8 接頭15cm電線式(4P)				
Weight / 重量	PK3-□N/P : Approx.60g PK3-□B : Approx.20g			PK3-□N/P : Approx.115g PK3-□B : Approx.40g	

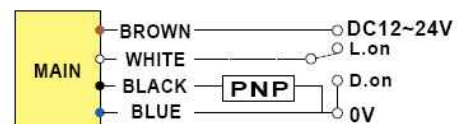
## ◆Dimensions / 尺寸圖 :



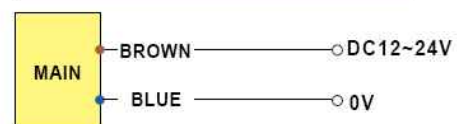
### NPN Wiring diagram



### PNP Wiring diagram



### RX Wiring diagram



Fiber

Photo Sensor

Area Sensor

Ultrasonic Sensors

Inductive Proximity Sensor

Capacitive Proximity Sensor

Timer / Counter

Others

Accessories

Fiber

Photo Sensor

Area Sensor

Ultrasonic Sensors

Inductive Proximity Sensor

Capacitive Proximity Sensor

Timer / Counter

Others

Accessories

### ◆Characteristic / 特點：

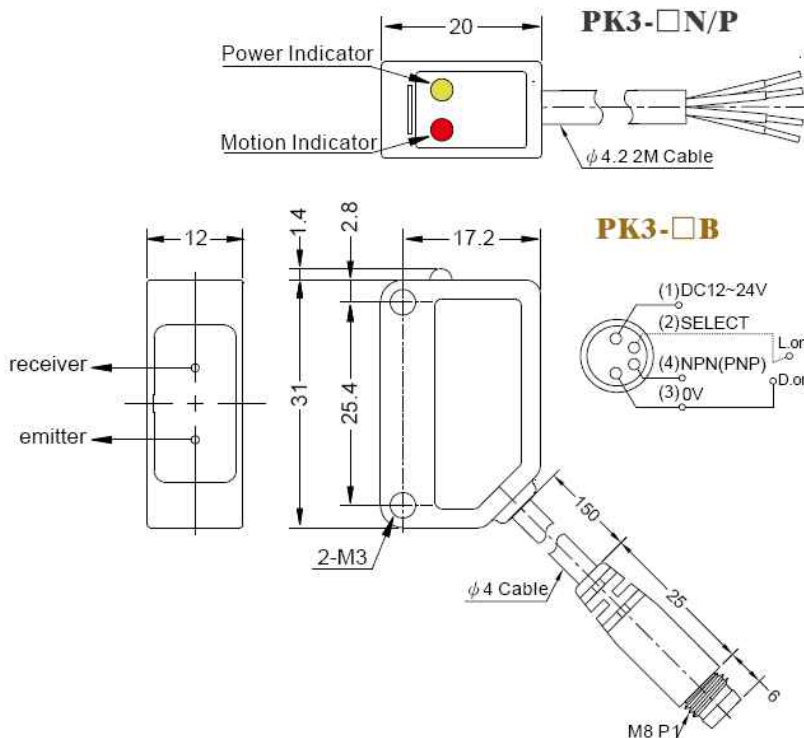
- Visible dual LED makes you easy to know the current operating situation.  
/雙LED指示燈，讓您可以很快的辨別感應品的使用狀態。
- For a better focusing, with the Non-spherical optical lens.  
/非球面鏡片設計，讓您在感應物體時，更加的穩定。
- Compact size (W12xH31xD20mm), space saving.  
/省空間(W12xH31xD20mm)輕薄尺寸。



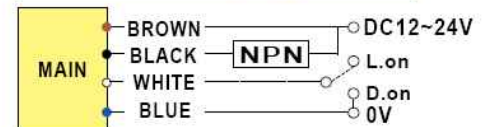
### ◆Specifications / 規格表：

Model / 型號	Pre-wired Ø4.2	PK3-R2N	PK3-R2P
	M8 Pigtailed type	PK3-R2NB	PK3-R2PB
Sensing type / 檢出方式	Retroreflective/ 鏡片反射式		
Sensing distance / 檢出距離	2M		
Emitting light / 發光源	Infrared LED 850 nm		
Operating voltage / 工作電壓	DC12 ~ 24 V		
Current Consumption / 消耗電流	25 mA Max.		
Load current / 負載電流	100mA Max. at DC24V		
Output type / 輸出模式	NPN L.on/D.on		PNP L.on/D.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	IP64		
Material / 外觀材質	ABS		
Wiring method / 出線方式	PK3-□N/P : Pre-wired Ø4.2 x 2 M / 4-wires PK3-□B : M8 pigtailed connector type/ M8 接頭15cm電線式		
Weight / 重量	PK3-□N/P : Approx.60g PK3-□B : Approx.20g		

### ◆Dimensions/尺寸圖：



### NPN Wiring diagram



### Applications / 應用

Detecting the passing of products.  
/ 檢測產品通過

