

### ◆ Characteristics / 特點 :

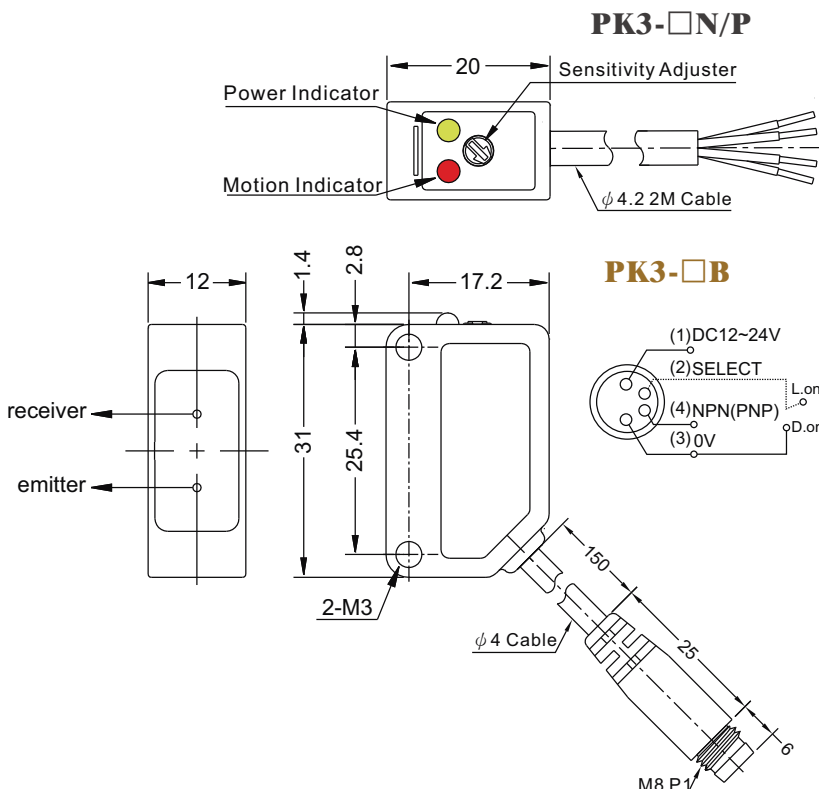
- Compact size (W12xH31xD20mm), space saving.  
/省空間(W12xH31xD20mm)輕薄尺寸。
- Good performance on ambient illumination resistance. It has a good performance when the twist light bulb is away from 1 meter upward.  
/抗干擾性高，當螺旋燈泡距離1M以上時，有相當強的抵抗性。
- The optimum sensitivity can be set easily to detect the objects at different distances.  
/可調整感應度，以利不同距離的檢測。



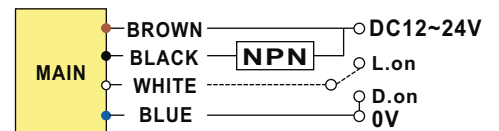
### ◆ Specifications / 規格表 :

Model / 型號	Pre-wired Ø4.2	PK3-QM1N	PK3-QM1P
	M8 Pigtailed type	PK3-QM1NB	PK3-QM1PB
Sensing type / 檢出方式	Diffuse reflection / 擴散反射型 (紅光)		
Sensing distance / 檢出距離	10cm		
Emitting light / 發光源	Red LED 660 nm		
Operating voltage / 工作電壓	DC12 ~ 24 V		
Current Consumption / 消耗電流	20 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 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

Obvious light to make its beam alignment easy. /明顯光線，使光軸更容易對焦

