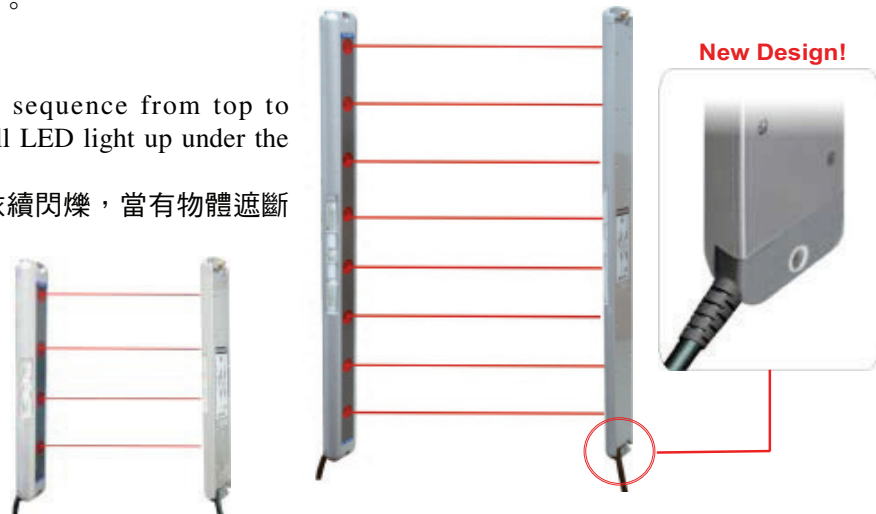
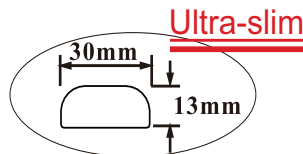


◆Characteristic / 特點：

- Ultra slim body, 13mm thickness only.
/13mm超薄型，寬度僅有30mm。
- Min. Detectable Object Ø60mm.
/最小檢測物Ø30mm。
- Green and red LED blink in sequence from top to bottom under normal emission. All LED light up under the emitting circuit failure.
/未感應時，綠色與紅色LED依續閃爍，當有物體遮斷時，LED則全部一起亮。



◆Specifications / 規格表：

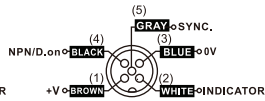
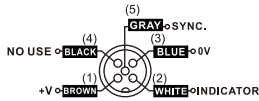
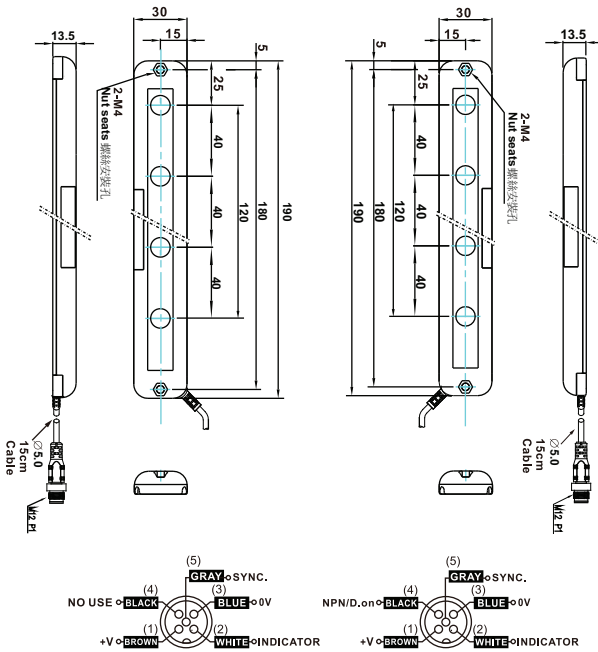
Model / 型號	NPN D.on	OAP-4004-NK	OAP-4004S-NK	OAP-4008-NK	OAP-4008S-NK
	PNP D.on	OAP-4004-PK	OAP-4004S-PK	OAP-4008-PK	OAP-4008S-PK
Sensing type / 檢出方式	Through beam / 對照式				
Resolution / 分辨率	60 mm opaque object 不透明物體				
Sensing distance / 檢出距離	0.1 M ~ 5 M	0.1 M ~ 2 M	0.2 M ~ 5 M	0.2 M ~ 2 M	
Sensing Height / 檢測高度	120 mm		280 mm		
Emitting light / 發光源	Infrared LED(紅外線發光LED) : 850 nm				
No.of Beams/光軸數	4		8		
Beam pitch / 光軸間距	40 mm				
Indicating LED / LED指示燈	5 LEDs each on emitter and receiver.		7LEDs each on emitter and receiver.		
	LEDs blink from top to bottom under the normal emission. All LEDs light up under the emitting circuit failure and will become blinking until the normal emission.				
Running type / 運轉方式	More than a beam is covered ON (Dark On) 任意一個光束被遮斷即輸出				
Operating voltage / 工作電壓	DC12 ~ 24 V±10% (ripple P-P : 10% Max.)				
Current Consumption / 消耗電流	Transmitter : 30 mA Max.		Transmitter : 60 mA Max.		
	Receiver : 15 mA Max.		Receiver : 30 mA Max.		
Load current / 負載電流	100 mA Max at DC 24V				
Protection circuit / 保護電路	Reversed Supply circuit protection, Short circuit protection output 電源反接保護及輸出短路保護				
Response time / 反應時間	Off to On : 15 ms Max.				
	On to Off : 20 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	- 10 °C ~ + 45 °C (No freezing allowed不可結霜.結冰)				
Ambient humidity / 工作溼度	35% ~ 85% RH 相對溼度				
Storage temperature / 儲存時溫度	- 10 °C ~ + 45 °C (No freezing allowed不可結霜.結冰)				
Storage humidity / 儲存時溼度	35% ~ 95% RH 相對溼度				
Protection degree / 防水等級	IP62				
Material / 外觀材質	ABS				
Wiring method / 出線方式	Transmitter : M12 pigtailed type(5P) / M12接頭15cm電線式				
	Receiver : M12 pigtailed type(5P) / M12接頭15cm電線式				
Weight / 重量	Approx.200g		Approx.253g		

◆Dimensions / 尺寸圖 :

OAP-4004-□

Emitter/ 發射

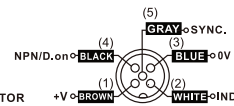
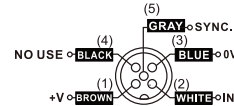
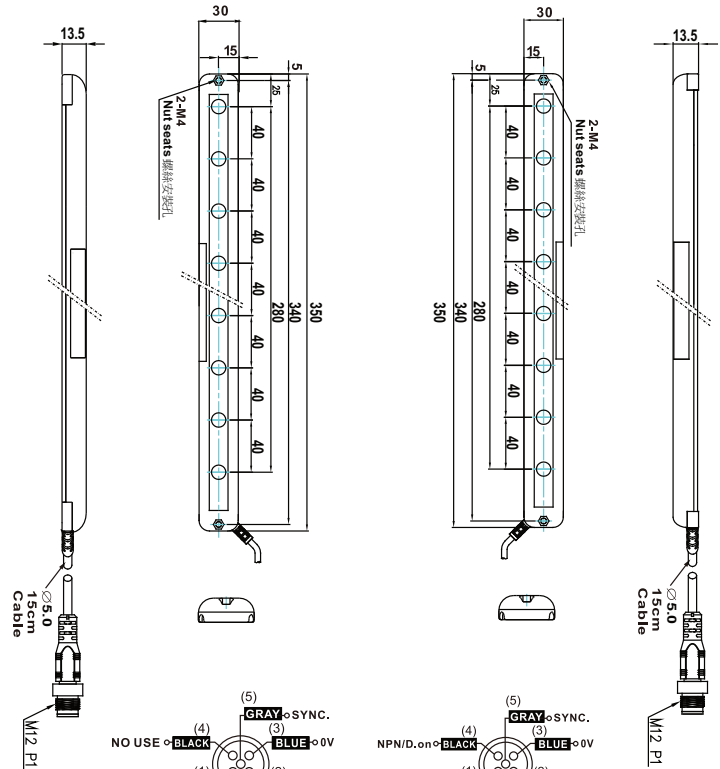
Receiver/ 接收



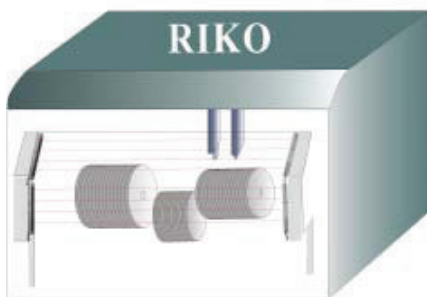
OAP-4008-□

Emitter/ 發射

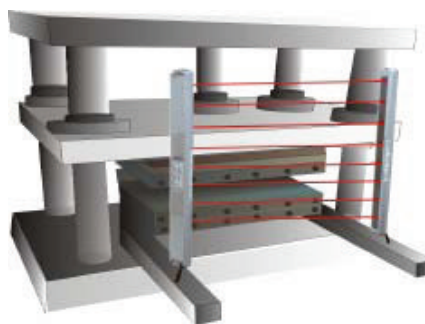
Receiver/ 接收



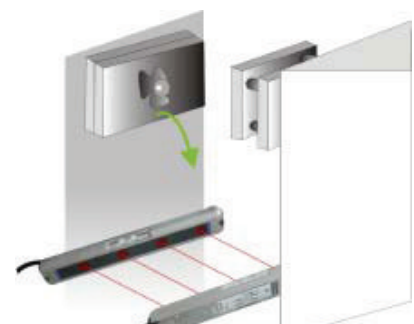
◆Applications / 應用例 :



To avoid the intrusion of objects from outside of the machine.
保護電子組件機器，不受外物侵入。



To protect equipment.
設備防護



To Detecting a mold.
檢查模製成品。

Fiber	Photo Sensor	Area Sensor	Ultrasonic Sensors	Inductive Proximity Sensor	Capacitive Proximity Sensor	Timer / Counter	Others	Accessories
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