

特點

- 光軸間距：20mm或40mm
- 超薄厚度：12.0mm
- 輸出狀態NO或NC可以自由切換
- NPN或PNP輸出可以自由選擇
- 兩種不同的距離可選,最長距離到12m
- 兩種不同的頻率可設定,防止互相干擾



規格

LA20 series Standard distance type							
型號/Model	LA20-08	LA20-12	LA20-16	LA20-20	LA20-24	LA20-28	LA20-32
光軸數/Beams	8	12	16	20	24	28	32
Protection high(mm)/保護高度	140	220	300	380	460	540	620
Beam pitch/光軸間距	20 mm						
Setting distance/安裝距離	Standard range:0.1m~1.6m or Long range:0.2m~3.2m selectable						
Sensible object/最小檢測物	Opaque object 25Φ mm						

LA20-L series Long distance type							
型號/Model	LA20-08L	LA20-12L	LA20-16L	LA20-20L	LA20-24L	LA20-28L	LA20-32L
光軸數/Beams	8	12	16	20	24	28	32
Protection high(mm)/保護高度	140	220	300	380	460	540	620
Beam pitch/光軸間距	20 mm						
Setting distance/安裝距離	Standard range:0.2m~6.0m or Long range:0.5m~12.0m selectable						
Sensible object/最小檢測物	Opaque object 25Φ mm						

LA40 series Standard distance type								
型號/Model	LA40-04	LA40-06	LA40-08	LA40-12	LA40-16	LA40-20	LA40-24	LA40-28
光軸數/Beams	4	6	8	12	16	20	24	28
Protection high(mm)/保護高度	120	200	280	440	600	760	920	1080
Beam pitch/光軸間距	40 mm							
Setting distance/安裝距離	Standard range:0.1m~1.6m or Long range:0.2m~3.2m selectable							
Sensible object/最小檢測物	Opaque object 45Φ mm							

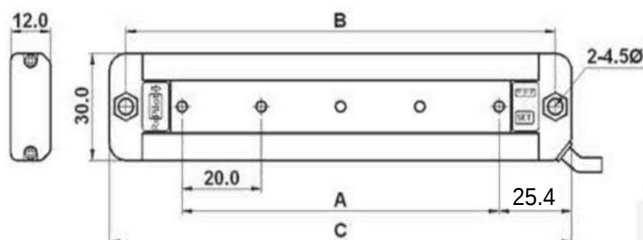
LA40-L series Standard distance type								
型號/Model	LA40-04	LA40-06	LA40-08	LA40-12	LA40-16	LA40-20	LA40-24	LA40-28
光軸數/Beams	4	6	8	12	16	20	24	28
Protection high(mm)/保護高度	120	200	280	440	600	760	920	1080
Beam pitch/光軸間距	40 mm							
Setting distance/安裝距離	Standard range:0.2m~6.0m or Long range:0.5m~12.0m selectable							
Sensible object/最小檢測物	Opaque object 45Φ mm							

共同規格

Operating voltage/工作電壓	24 ± 20%VDC ; Ripple ± 20% P-P max.
Current consumption/消耗電流	8.0 mA/beam max.
Output method/輸出方式	NPN & PNP two way output
Output current/最大輸出電流	100 mA max.
Output status/輸出狀態	All light channel light NO (NO/NC changeable)
Protection circuit/保護電路	Short circuit & polarity reversed protection
Residual voltage/殘留電壓	0.8 V max.
Leakage current/洩漏電流	0.8 mA max.
Response time/反應時間	10 ms max.
Reset time/復歸時間	Output reset time < 200 ms
Illumination/耐外亂光	Lamp < 10,000 LUX ; Sunlight < 20,000 LUX
Protection class/保護等級	IP – 65
Connection method/接線方式	Tx : 2c-4Ψ-3m : Rx : 4c-4Ψ-3m
Housing method/外殼材質	Housing : Aluminum ; END CAP : PBT : Front cover : ACRYLIC
Circumstance/使用環境	0°C ~ 50°C ; 25% ~ 85% RH
Vibration resistance/抗震動	10 ~ 55 HZ/1.5 mm , 2小時/X . Y . Z方向
Classification/認證標準	CE MARK
EMC Standard/EMC 標準	ESD : 8 KV Air charge (level 3)/EN-61000-4-2 ; Burst test : 2 KV/EN61000-4-4 RF Interference : 10 V/M /ENV50140

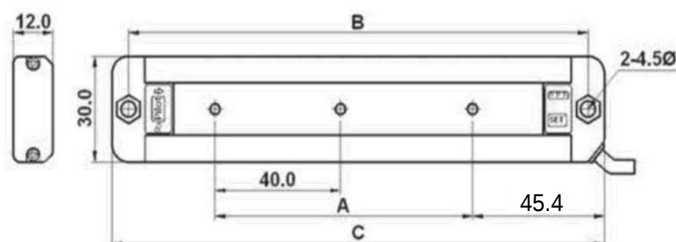
尺寸

LA20-xxx Pitch = 20.0mm



Type	LA20-08	LA20-12	LA20-16	LA20-20	LA20-24	LA20-28	LA20-32
A(mm)	140	220	300	380	460	540	620
B(mm)	180	260	340	420	500	580	660
C(mm)	190	270	350	430	510	590	670

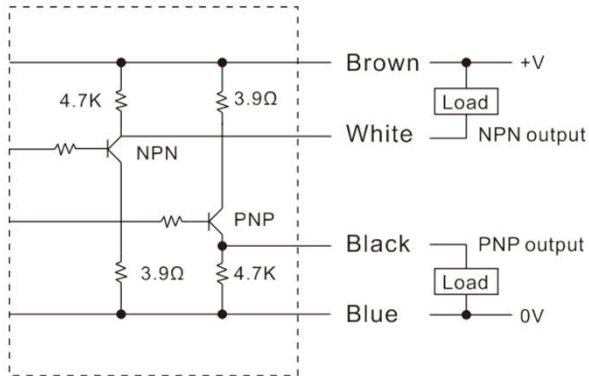
LA40-xxx Pitch = 40.0mm



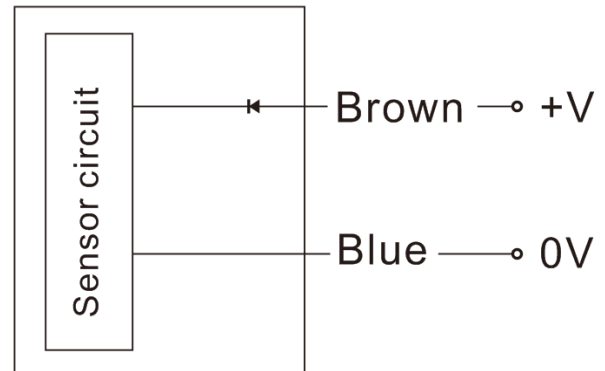
Type	LA40-04	LA40-06	LA40-08	LA40-12	LA40-16	LA40-20	LA40-24	LA40-28
A(mm)	120	200	280	440	600	760	920	1080
B(mm)	180	260	340	500	660	820	980	1140
C(mm)	190	270	350	510	670	830	990	1150

迴路及接線圖

Receiver(RX)



Emitter(TX)



功能設定

How to select the operating frequency / 如何選擇發射頻率

防止互相干擾，可選擇發射頻率及接收頻率

投光器「Tx」或接收器「Rx」按「SET」3秒放開後可切換發射頻率，

「Fre」(黃燈)亮著：頻率(A)；「Fre」LED(黃燈)熄掉：頻率(B)

*務必選擇一樣的投光器「Tx」或接收器「Rx」頻率否則會無法正常工作！

Interrupt muting

After pressing the 「SET」 key of Emitter/Receiver 3 seconds to change the operating frequency,

「Fre」yellow pilot ON : frequency (A) ; 「Fre」yellow pilot OFF : frequency (B)

* The operating frequency of Emitter and Receiver must be same! otherwise it may be malfunction!

How to select the operating distance / 如何設定安裝距離

投光器「Tx」按「SET」10秒放開後可切換設定距離

標準距離型：

藍燈亮著：Sd (A) = 0.2m~3.2m ; 藍燈熄掉Sd (B) = 0.1m~1.6m

長距離型：

藍燈亮著：Sd (A) = 0.5m~12.0m ; 藍燈熄掉Sd (B) = 0.2m~6.0m

After pressing the 「SET」 key of Emitter 10 second to change the operating distance,

Standar distance type :

Blue pilot ON : Sd(A)=0.2m~3.2m ; Blue pilot OFF : Sd(B)=0.1~1.6m

Long distance type :

Blue pilot ON : Sd(A)=0.5m~12.0m ; Blue pilot OFF : Sd(B)=0.2~6.0m

How to select the output status / 如何選擇輸出狀態

接收器「Rx」按「SET」10秒放開後可切換輸出狀態，OP燈顯示輸出狀態。

正常狀況：OP燈熄掉/輸出ON；遮光狀況：OP燈亮著/輸出OFF

After pressing the 「SET」 key of Receiver 10 second to change the output status.

Clean status : OP pilot OFF / Output ON ; Break status : OP pilot On / Output OFF