

- ❖ Sensitivity adjuster : 14 turns trimmer
- ❖ High stability with thermal compensation
- ❖ Metallic & Non-metallic objects are sensible  
Including Glass, Lumber, oil, water and plastic objects ets.



## ◆ General data / 共同規格

Specification 規格	DC type	AC type
Operating voltage 工作電壓	10~30 VDC	90~250 VAC
Current consumption 耗電流	20 mA max.	1.5 VA max.
Response frequency 響應頻率	100 Hz	15 Hz
Output current 輸出電流	150 mA max.	100 mA max.
Leakage current 洩漏電流	0.8 mA max.	2.0 mA max.
Residual voltage 殘留電壓	0.8 V max.	
Protection circuit 保護電路	Short circuit & Polarity reversed	Surge absorbing
Target 標準檢測物	Grounded metal plate ( 50x50x1mm )	
Operating circumstance 工作環境	- 25°C ~ +80°C : 35% ~ 95% RH	
Protection class 保護等級		

## ◆ Specification / 規格

Outline	Model	Output status	Output method	Sensing distance	Operating voltage	Sensitivity adjuster	Housing material
	CP08-06N	NO	NPN	6.0 mm	10~30 VDC	Non	PP
	CP08-06NB	NC					
	CP08-06P	NO	PNP				
	CP08-06PB	NC					
	CP12-10N	NO	NPN	10.0 mm	10~30 VDC	Non	PBT
	CP12-10NB	NC					
	CP12-10P	NO	PNP				
	CP12-10PB	NC					
	CP18-30N	NO / NC	NPN	20.0 mm	10~30 VDC	14 turns trimmer	PP
	CP18-30P	NO / NC	PNP				
	CP30-50C	NO	NPN&PNP	30.0 mm	10~30 VDC	14 turns trimmer	PBT
	CP30-50CB	NC					
	CP30-50S	NO	SCR				
	CP30-50SB	NC					

◆ Output circuit & connection diagram / 輸出回路及接線圖

<p style="text-align: center;"><b>NPN (3 wires)</b></p>	<p style="text-align: center;"><b>PNP (3 wires)</b></p>
<p style="text-align: center;"><b>NPN &amp; PNP</b></p>	<p style="text-align: center;"><b>SCR</b></p>
<p style="text-align: center;"><b>NPN (NO/NC changeable)</b></p> <p style="text-align: center;">Output Status</p> <p>NO : White wire open      白色線不接 NC : White wire connected to 0V 白色線接0V</p>	<p style="text-align: center;"><b>PNP (NO/NC changeable)</b></p> <p style="text-align: center;">Output Status</p> <p>NO : White wire open      白色線不接 NC : White wire connected to 0V 白色線接0V</p>

◆ Precaution / 注意事項

**\* Effects of surrounding metal / 周圍金屬效應**

- 1> To avoid the sensor may malfunction, Please ground the metal fixed bracket .
- 2> Please be sure to provide a minimum distance as shown in the table.
- 1> 請將靜電容感測器的金屬固定架接地以提高抗干擾能力。
- 2> 靜電容感測器感應面四周不可物體包圍，淨空範圍請參考下圖。

	<b>Distance (mm)</b>		
	<b>MODEL</b>	<b>D</b>	<b>dφ</b>
	CP08	12	24
	CP12	12	36
	CP18	24	48
	CP30	24	60