

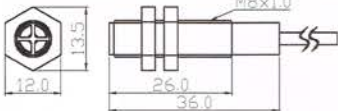
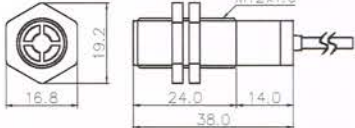
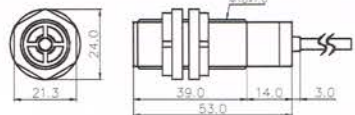
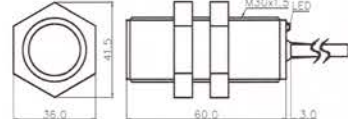
- ❖ Sensitivity adjuster : 14 turns trimmer
- ❖ High stability with thermal compensation
- ❖ Metallic & Non-metallic objects are sensible  
Including Glass, Lumber, oil, water and plastic objects ets.



## ◆ 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℃ ~ +80℃ ; 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            |               |                  | 90~250 VDC        |                      |                  |
|                                                                                     | CP30-50S  | NO            | SCR           |                  |                   |                      |                  |
|                                                                                     | CP30-50SB | NC            |               |                  |                   |                      |                  |

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

| NPN (3 wires)                                                                   | PNP (3 wires)                                                                   |
|---------------------------------------------------------------------------------|---------------------------------------------------------------------------------|
|                                                                                 |                                                                                 |
| NPN & PNP                                                                       | SCR                                                                             |
|                                                                                 |                                                                                 |
| NPN (NO/NC changeable)                                                          | PNP (NO/NC changeable)                                                          |
| <p>Output Status<br/>NO: White wire open<br/>NC: White wire connected to 0V</p> | <p>Output Status<br/>NO: White wire open<br/>NC: White wire connected to 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。

|  | Distance (mm) |       |
|--|---------------|-------|
|  | MODEL         |       |
|  | D             | d φ   |
|  | CP08          | 12 24 |
|  | CP12          | 12 36 |
|  | CP18          | 24 48 |
|  | CP30          | 24 60 |