AT MARK SENSOR

- *** HIGH SPEED RESPONSE: 5 Khz**
- ※ EASY TO SET OPTIMUN DETECTING
 STATUS WITH SENSITIVITY &
 EMITTING AUTOTUNNING
- ****** WHITE LIGHT EMITTER EASY TO DETECT THE RED OR GREEN MARK
- ** CO-AXIAL DETECTER DETECTS THE MARK
 ** MORE STABLE**
- **X DARK ON/LIGHT ON CHANGEABLE**
- **※ NPN & PNP TWO OUTPUT**



Specification

Туре	型式	LEAD WIRE		M12 CONNECTER	
Model	型號	MS-02W	MS-O2W-H	MS-02W-M12	MS-02W-H-M12
Response time	應答時間	0.2 mS	0.1 mS	0.2 mS	0.1 mS
Setting distance	設定距離	25.0±2.0 mm			
Emitter	發射光源	White Light Led			
Light spot	光點	2.0 <i>φ</i>			
Operating voltage	工作電壓	10-30 VDC;Ripple < 20% of peak to peak			
Current consumption 消耗電流		40 mA max.			
Output method	輸出方式	NPN & PNP two output			
Output status	輸出狀態	NO or NC Changeable			
Output current	輸出電流	150 mA max.			
Leakage current	漏電流	0.8 mA max.			
Residual voltage	殘留電壓	0.8 V max.			
Protection circuit	保護電路	Short Circuit & Polarity Reversed Protection			
Illumination	耐外亂光	Lamp	olight <5,000Lux; Sunlight < 10,000Lux		
Connection method	接線方式	4C/5.0	$\phi imes 2$ m	M12	x 1.0
Housing material	外殼材質		Intensive PBT		
Protection class	保護等級		lp-65		
Circumstance	工作環境		-20℃~+ 60℃;35% ~ 85 %RH		



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■Setting of Sensitivity/感度設定

Setting On Background/背景動作設定

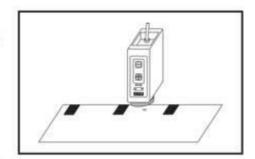
After PRESSING The 👸 Key , The LED " PL "Flicks Slowly ,

Then Please Press The Key to Finish The Setting Of Sensitivity < LED " PL " & " OP " Turn On >

按住 🖲 鍵 3 秒後, "PL" LED 會慢閃

再按 图 鍵即可完成態度設定

< "PL"及"OP"LED都會亮著>



Setting On Mark Point/標誌點動作設定

After PRESSING The (5) Key , The LED " PL "Flicks Slowly ,

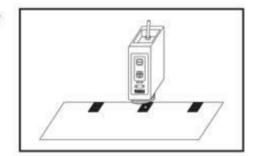
Then Please Press The Key to Finish The Setting Of Sensitivity

< LED "PL "Turn On , LED " OP " Off >

按住 图 鍵 3 秒後, "PL" LED 會慢閃

再按 🖃 鍵即可完成感度設定

< "PL"LED 亮著"OP"LED熄滅>



Setting On Two Position/兩點設定

SET 1: On the Mark Point, After Pressing The (5) Key 3 Sec.,

The LED " PL " Flicks Slowly

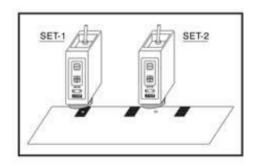
SET 2: On the Background,

High Sensitivity To Press The 🖲 Key

Low Sensitivity To Press The - Key

SET 1: 再標誌點上按图 鍵 3 秒, "PL" LED 會慢閃

SET 2: 在背景上高感度設定按 🖲 鍵, 低感度設定按 🦳 鍵



Remarks/備註

1 > If LED " PL " Flicks Fastly After Finishing Setting, It is The Maximun Sensitivity Condition.

完成設定後 "PL" LED 快閃,表示設定成最大感度狀態

Or Pressing The Key May Reduce The Sensitivity

在檢測狀態,按图 鍵可以增加感度,按回 鍵可以滅弱感度

3 > To Change The Output Status , Please Keep On Pressing The 🖲 Key And Pressing The 🖂

Key To Change The Output Status.

< If Keep On Pressing The Key Over 3 Sec. Will Enter To The Setting Condition>

如果要改變輸出狀態,請按住 图 鍵再按 — 鍵即可改變輸出狀態。

<注意,不要持續按 < 鍵超過3秒,否則會進入感度設定狀態>

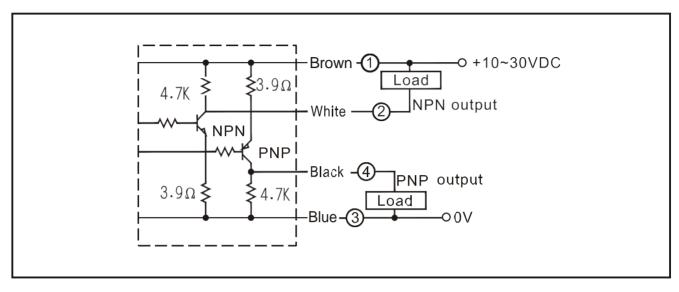
4 > On The Detecting Status, LED " PL " Is The Pilot Of Stability

在檢測狀態, "PL"LED 是穩定指示燈



AT MARK SENSOR

■Output Circuit/輸出迴路



■Dimension/尺寸圖

