

Capacitive Proximity Sensor



◆Shape / 外觀 :				Fiber
◆Specifications / 規格表 :				Photo Sensor
Output method 輸出模式	PNP N.O./N.C. NPN N.O./N.C.	KC1816-KP2	KC1816-KP2K	Area Sensor
Description / 外型	Standard / 標準M18			Ultrasonic Sensors
Standard sensing object/標準檢出物	Conducting Neutral / 導體電中性			
Sensing distance / 檢出距離	1 ~ 16 mm			Inductive Proximity Sensor
Hysteresis / 遲滯	≤ 10 % of sensing distance			
Response time / 反應時間	14.3 ms Max			Capacitive Proximity Sensor
Operating voltage / 工作電壓	DC 12 ~ 24V			
Current consumption / 消耗電流	≤ 22 mA no-load			Timer / Counter
Load current / 負載電流	100 mA Max at DC 24V			
Leakage current / 漏電流	≤ 1.1 mA no-load			Others
Residual voltage / 殘餘電壓	≤ DC 1.5V			
Insulation resistance / 隔離阻抗	20M Ω min. (DC500V)			Accessories
Voltage withstandability / 絕緣耐壓	AC1000V 60Hz for 60 Sec.			
Operating temperature/工作溫度範圍	-20°C ~ + 60°C			
Portection degree / 防水等級	IP 66			
Wiring method / 出線方式	Per-wired Ø4.2 x 2M / 4-wires		M12 pigtailed type / M12接頭15cm電線式	
Weight / 重量	Approx.70g		Approx.35g	
◆Dimensions/尺寸圖 :				
		<p style="text-align: center;">KC1810-KP2K</p>		

KC

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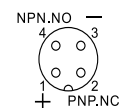
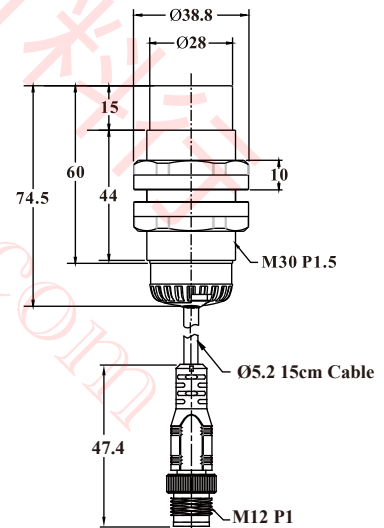
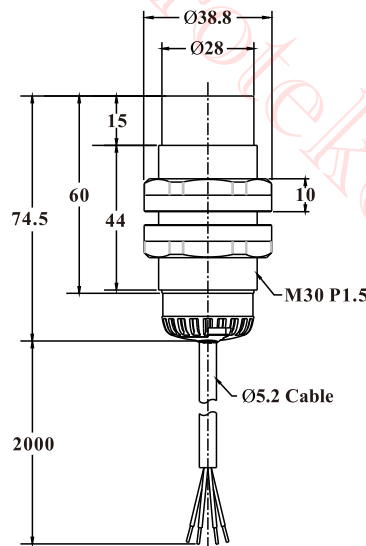
◆Shape / 外觀 :



◆Specifications / 規格表 :

Output method 輸出模式	NPN N.O./N.C. PNP N.O./N.C.	KC3030-KP2	KC3030-KP2K
Description / 外型	Standard / 標準 M30		
Standard sensing object/標準檢出物	Conducting Neutral / 導體電中性		
Sensing distance / 檢出距離	2 ~ 30mm		
Hysteresis / 遲滯	≤ 10 % of sensing distance		
Response time / 反應時間	100 ms Max		
Operating voltage / 工作電壓	DC 12 ~ 24V		
Current consumption / 消耗電流	≤ 22 mA no-load		
Load current / 負載電流	100 mA Max at DC 24V		
Leakage current / 漏電流	≤ 1.1 mA no-load		
Residual voltage / 殘餘電壓	≤ DC 1.5V		
Insulation resistance / 隔離阻抗	20M Ω min. (DC500V)		
Voltage withstandability / 絕緣耐壓	AC1000V 60Hz for 60 Sec.		
Operating temperature/工作溫度範圍	- 20°C ~ + 60°C		
Portection degree / 防水等級	IP 66		
Wiring method / 出線方式	Per-wired Ø5.2 x 2M / 4-wires	M12 pigtailed type / M12 接頭15cm電線式	
Weight / 重量	Approx.135g	Approx.80g	

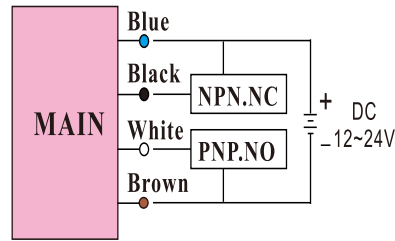
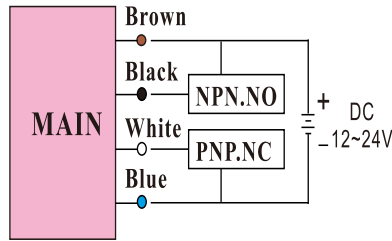
◆Dimensions/尺寸圖 :



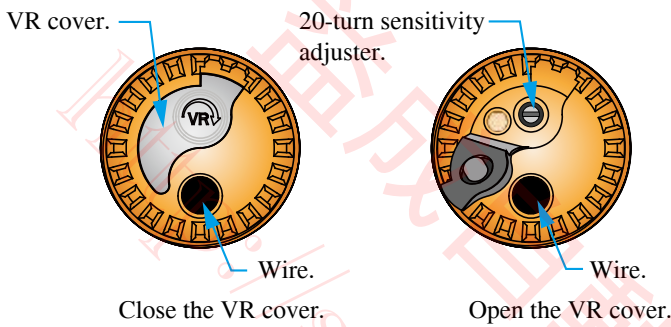
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◆Wiring diagrams / 接線圖：

KC□-KP2 includes PNP and NPN two output types. Not only available used on PNP type and NPN type, but also NO/NC switching available.



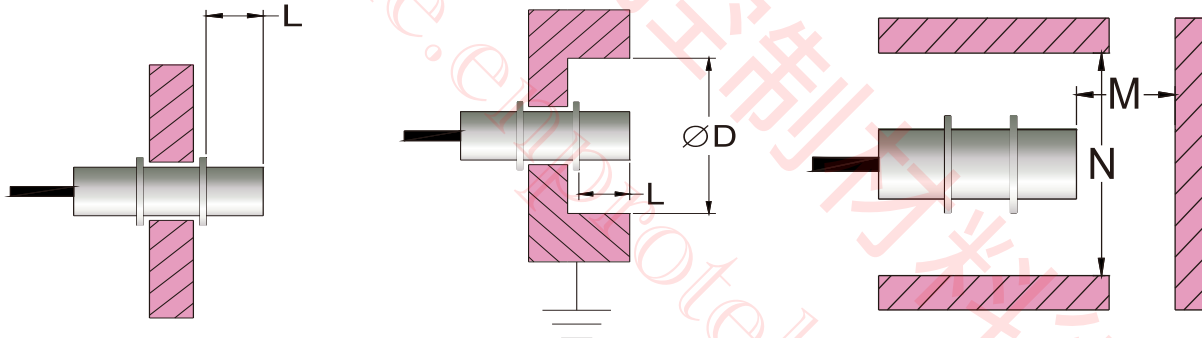
◆Function introduction / 功能介紹：



KC□-KP2 with 20-turn sensitivity adjuster. Users can adjust the sensitivity according to different objects. Special VR cover for water-proof and greasiness-proof.

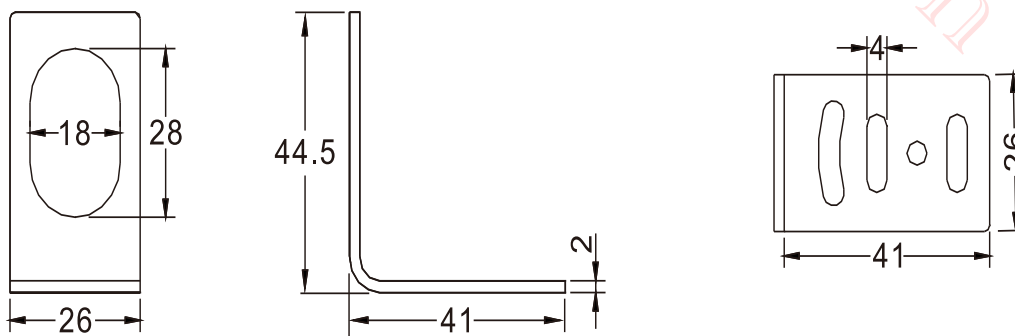
KC□-KP2 為可調式旋鈕(20轉)，可依據感測物的不同，而有所調整。另外，在旋鈕上附有VR蓋，不但能夠防水還能防油污。

◆Precautions proper installation / 安裝注意事項：



KC1816	$D \geq 40\text{mm}$	$M \geq 30\text{mm}$	$L \geq 30\text{mm}$	$N \geq 40\text{mm}$
KC3030	$D \geq 90\text{mm}$	$M \geq 50\text{mm}$	$L \geq 30\text{mm}$	$N \geq 90\text{mm}$

◆Mounting bracket / 固定架尺寸：



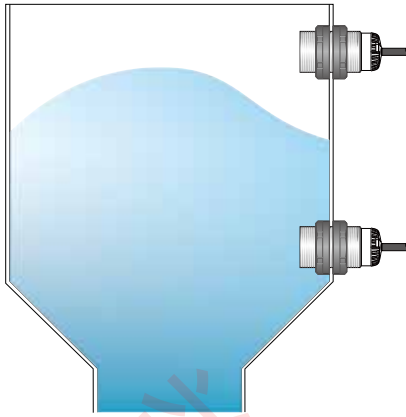
Fiber
Photo Sensor
Area Sensor
Ultrasonic Sensors
Inductive Proximity Sensor
Capacitive Proximity Sensor
Timer / Counter
Others
Accessories

KC

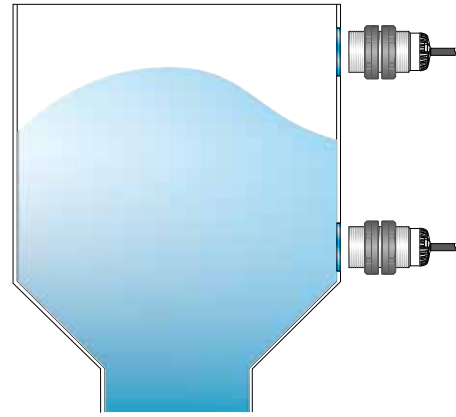
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◆ Application / 應用例 :

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



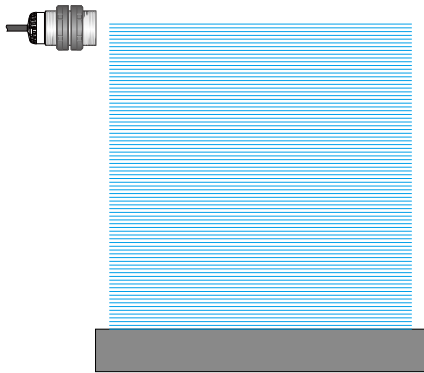
Contact level control for solids or liquids.



Level control for metal containers with plastic or glass windows.



Detect the breakage in reels of non metallic materials (paper, plastic etc.).



Detect the height of a paper stack.