



# FOTEK

## Compact standard Photo-electric sensor

堅固標準型  
光電感測器

### ◆ Model / 型號

CE RoHS

Type	Model	Output method	Sensing distance	Connection method	Emitter LED	Sensing adjuster	Response time	Operating	
								Voltage	Current
Diffuse	K2R-10NE	NPN	150mm	Lead wire	Red LED	270° Trimmer	1ms	10~30Vdc	30mA Max.
	K2R-10PE	PNP							
	K2R-10N	NPN	150mm	Lead wire	Infrared LED				
	K2R-10P	PNP							
	K2R-30N	NPN	400mm	Lead wire	Infrared LED				
	K2R-30P	PNP							
	K2R-10NE-PG	NPN	150mm	M8 Lead wire	Red LED				
	K2R-10PE-PG	PNP							
	K2R-10N-PG	NPN	150mm	M8 Lead wire	Infrared LED				
	K2R-10P-PG	PNP							
	K2R-30N-PG	NPN	400mm	M8 Lead wire	Infrared LED				
	K2R-30P-PG	PNP							
Retro-reflective	K2G-2MNE*	NPN	2.0m	Lead wire	Red LED	Non	1ms	10~30Vdc	25mA Max.
	K2G-2MPE*	PNP							
	K2G-3MN	NPN	3.0m	Lead wire	Infrared LED				
	K2G-3MP	PNP							
	K2G-2MNE-PG	NPN	2.0m	M8 Lead wire	Red LED				
	K2G-2MPE-PG	PNP							
	K2G-3MN-PG*	NPN	3.0m	M8 Lead wire	Infrared LED				
	K2G-3MP-PG*	PNP							
Thru-beam	K2T-4MN	NPN	4.0m	Lead wire	Red LED	Non	2ms	10~30Vdc	Emitter < 20mA Receiver < 20mA.
	K2T-4MP	PNP							
	K2T-15MN	NPN	15.0m	Lead wire	Infrared LED				
	K2T-15MP	PNP							
	K2T-4MN-PG	NPN	4.0m	M8 Lead wire	Red LED				
	K2T-4MP-PG	PNP							
	K2T-15MN-PG	NPN	15.0m	M8 Lead wire	Infrared LED				
	K2T-15MP-PG	PNP							
Note	* With Polarized filter								

## ◆ General Specification / 共同規格

Specification	Data	Connection diagram
Operating voltage	10 ~ 30VDC	<p><b>NPN</b></p> <p><b>PNP</b></p> <p><b>Output status</b>                      NO : White wire is opened                      NC : White wire is connected to 「0V」</p>
Ripple of power	20% peak to peak	
Output method	NPN or PNP	
Output status	Light ON / Dark ON changeable	
Output current	150mA max.	
Residual voltage	0.1V max.	
Leakage current	0.8mA max.	
Protection circuit	Short circuit & polarity reversed protection	
Housing material	Housing : Intensive PBT ; Lenz : PMMA	
Illumination	Lamp light < 10,000Lux ; Sunlight < 20,000Lux	
Noise resistance	2kv / 1μs	
Dielectric strength	2.5kv / 1 minute min.	
Insulation strength	100 MΩ / 500vdc	
Operating circumstance	-20°C ~ +80°C ; 35% ~ 85% RH	
Protection class	IP-66	
Approval	CE / UL / RoHS	

## ◆ Dimension / 外形尺寸圖

Lead wire & M8 Lead wire				Fixed bracket			
Mirror	MR-1	Mirror	MR-2	Mirror	MR-3	Mirror	MR-4
M8 Connecting			M8-4C-□m				
			<p>1# : Brown (棕)                      2# : White (白)                      3# : Blue (青)                      4# : Black (黑)</p>				

**FOTEK CONTROLS CO., LTD.**  
 陽明電機股份有限公司

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 規格變更恕不事先通知！

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