

K2 Series Compact standard Photo-electric sensor

CE RoHS

- Standard fixed method
- High solid compact construction : IP- 66
- Output status : Light ON / Dark ON changeable
- Connection method
 - Lead wire
 - Lead wire M8 connector

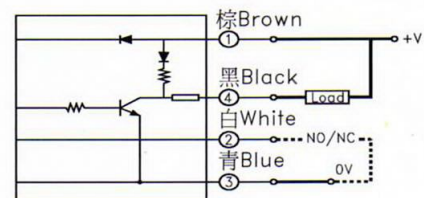


◆ General Specification

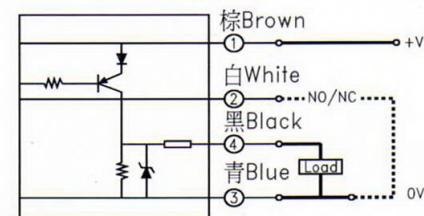
Specification	Data
Operating voltage	10 ~ 30VDC
Ripple of power	20% peak to peak
Output method	NPN or PNP
Output status	Light ON / Dark ON changeable
Output current	150mA max.
Residual voltage	0.1V max.
Leakage current	0.8mA max.
Protection circuit	Short circuit & polarity reversed protection
Housing 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 / RoHS

Connection diagram

NPN



PNP



Output status

NO : White wire is opened
NC : White wire is connected to "0V"

◆ Dimension / 外形尺寸圖

Lead wire & M8 Lead wire	Fixed bracket

◆ Model / 型號

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								