

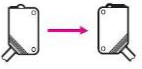
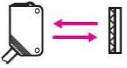

PHOTO SENSORS

KPS-AR SERIES

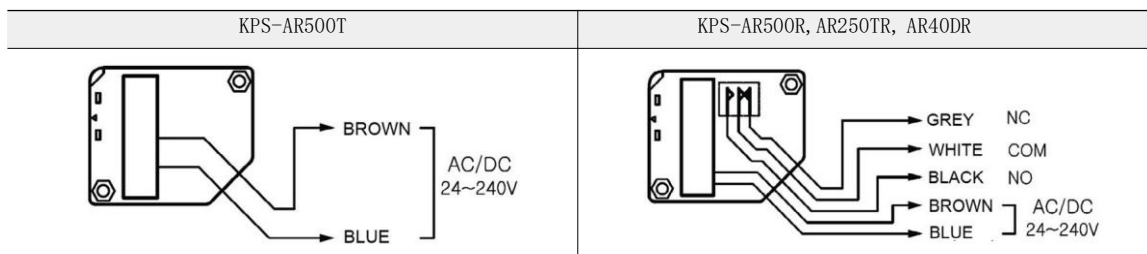


CLASSIFICATION

KPS - AR □
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MODEL	Type	Sensing Distance	Protection
500T	Through-beam 	8m	IP64
500R			
250TR	Retro-reflective 	4m	
40DR	Diffuse-reflective 	0.6m	

Wiring diagram



Parallel Operating Range

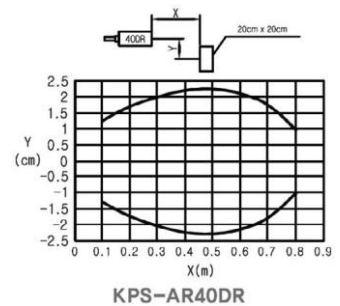
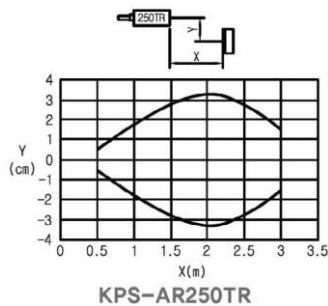
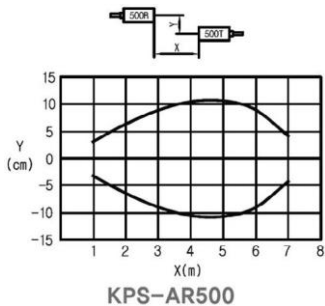


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Parallel Operating Range

Type	Diffuse Reflective	Retro-reflective	Through-beam	
			Emitter	Receiver
Model	KPS-AR40DR	KPS-AR250TR	KPS-AR500T	KPS-AR500R
Detecting Distance	0.6m Max.	2.5m Max.	5m Max.	
Standard detecting object	Opaque object		Opaque object(Ø16)	
Light Source	Infra-Red LED			
Voltage	AC/DC 24~240V			
Power consumption	Max 2W		Max 1.5W	Max 2W
Output	Relay output: 1C			
Contact ratings	30VDC 2A, 125VAC 0.6A			
Response time	20ms Max.			
External light interference	incandescent light 3,000 lx, sun light 10,000 lx Max.			
Ambient temperature	-20~+60°C			
Ambient humidity	35~85%RH			
Insulation resistance	min. 20MΩ			
Dielectric strength	2,000VAC 50/60Hz for 1 minute			
Vibration resistance	10~55Hz at double amplitude: 1.5mm(X,Y,Z directions) for 1 hour			
Shock resistance	10G			
Protection	IP50			
Indicator	Red LED			
Weight	107 g			
Cable	Ø6.1, 1.5m wire			
Material	ABS			

Dimensions

KPS-AR SERIES

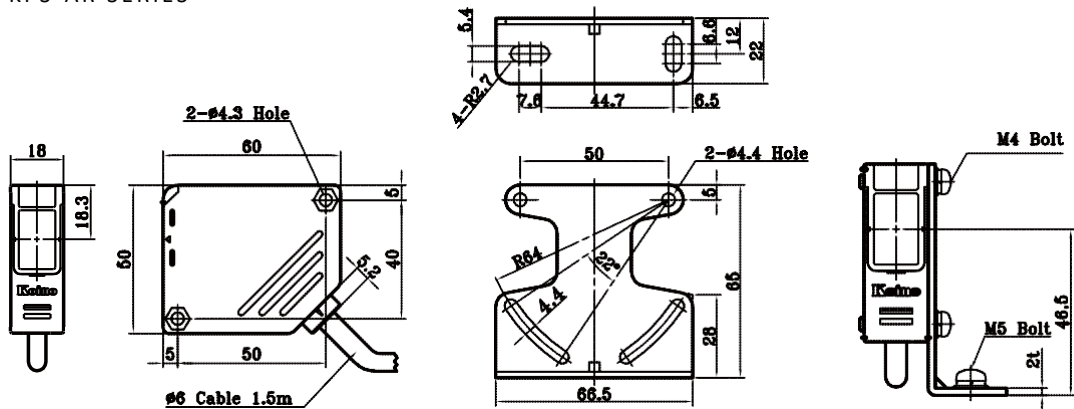
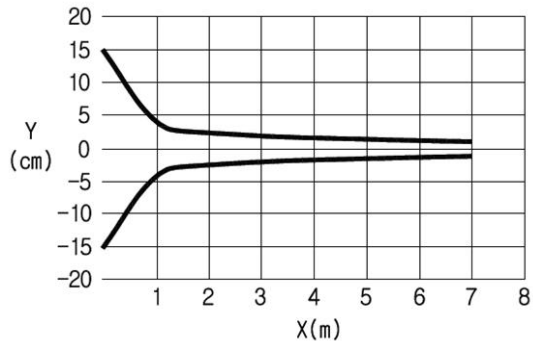


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Angle characteristic

KPS-AR500



KPS-AR250TR

