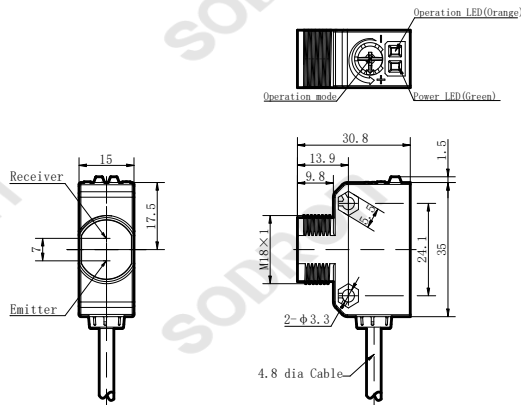




Dimensions



Model	Technical parameters		
	Detection method	Diffuse-reflection	
PT18V-D50B□W□	Model	NPN	PT18V-D50BNW
		PNP	PT18V-D50BPW
	Sensing distance	50cm (Distance adjustable)	
Product features	Standard sensing object	White paper with 90% reflectivity (200*200mm)	
<ul style="list-style-type: none"> • Diffuse-reflection • Detection distance adjustable • IEC IP65 	Output mode	Light-ON/Dark-ON wire switching	
	Light source	infrared light 850nm	Red LED 620nm
	Power supply voltage	DC 12 ~ 24V ±10% , impulse (P-P) < 10%	
	Residual voltage	< 2V (Load Current: ≤100mA)	
	Current consumption	< 20mA	
	Load current	≤100mA	
Connection	Circuit protection	Power reverse direction connection protection	
NPN 	Response time	< 1ms	
	Indicator light	Output LED: Orange LED Power/stable: Green LED	
PNP 	Connection	Cable 2m (PVC)	
	Ambient temperature	Work: -25 ~ +55°C; Store: -40 ~ +70°C, (No dew condensation or icing allowed)	
	Ambient humidity	Work: 35 ~ 85%RH, Store: 35 ~ 95%RH, (No dew condensation)	
	Ambient illumination	Sunlight: < 10,000Lx lamplight: < 3,000Lx	
	Withstand voltage	1000 VAC, 50/60 Hz, 1 min.between current-carrying parts and case	
	Insulation resistance	> 20MΩ (DC500V megger) between current-carrying parts and case	
	Anti-vibration	10~55Hz double-amplitude 1.5mmX,Y,Z 2h	
	Impact resistance	500 m/s ² (X, Y, Z directions, 3 times)	
	Protection degree	IEC IP65	
	Housing	PBT+ABS	
Material	Lens Holder	ABS	
	Lens	PMMA	