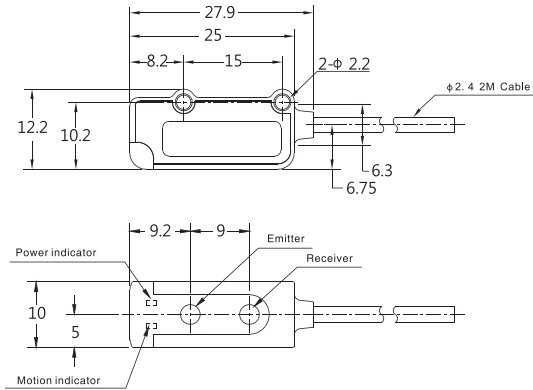




Appearance		
Sensing type	Diffuse reflection	Thru-beam
Sensing distance	5cm, White board 100*100mm (> 5cm)	50cm
Output type	NPN/PNP Open-collector	
Switch type	L.on	D.on
Response time	≤ 1 ms	
Light source	Infrared light LED (940nm)	
Operating voltage	12~24V DC ± 10%	
Current consumption	≤ 20mA	≤ 30mA
Load current	≤ 100mA (24V DC)	
Protective circuit	Reverse polarity, short circuit	
Ambient temperature	-10°C~+45°C, No freezing	
Ambient humidity	35%~85% RH, No condensation	
Storage temperature	-10°C~+55°C, No freezing	
Storage humidity	35%~95% RH, No condensation	
Voltage withstandability	1000 V/AC 50/60Hz 1min	
Insulation resistance	≥ 20MΩ/500V DC	
Degree of protection	IP64	
Material	ABS	
Connection method	φ 2.4*2M 3core cable	(Receiver) φ 2.4*2M 3core cable/ (Emitter) φ 2.4*2M 3core cable
Weight	≈ 20g	≈ 40g
Model No.	NPN PNP	PTN-D05N PTN-D05P
		PTN-T50N PTN-T50P

Dimensions

Unit: mm



Circuit diagram

