

Square

PTN Series

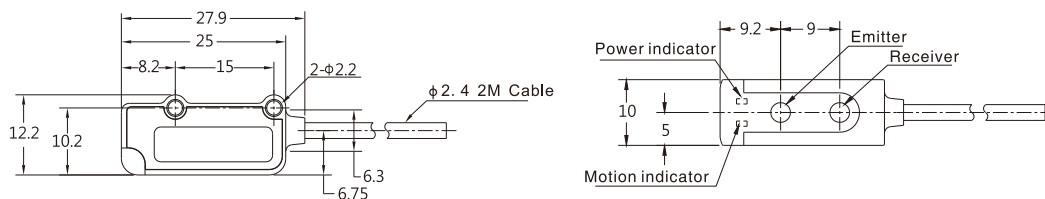


Appearance

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 LED (940nm)	
Operating voltage		12~24V DC ± 10%	
Current consumption		≤20mA	≤30mA
Load current		≤100mA (24V DC)	
Circuit protection		Reverse polarity protection, short circuit protection	
Ambient temperature		-10℃~-+45℃, No freezing	
Ambient humidity		35%~85% RH, No condensation	
Storage temperature		-10℃~-+55℃, No freezing	
Storage humidity		35%~95% RH, No condensation	
Withstand voltage		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
Accessories		Mounting screws	
Model No.	NPN	PTN-D05N	PTN-T50N
	PNP	PTN-D05P	PTN-T50P

Dimensions

Unit: mm



Circuit diagram

