Miniature photoelectric sensor **PSV** series



Feature description

- Side sensing
- Small size, easy to install and use
- With 360° visible bright LED status indicator
- Superior anti-light interference, stable product performance
- Red light source for easy adjustment and alignment

CE

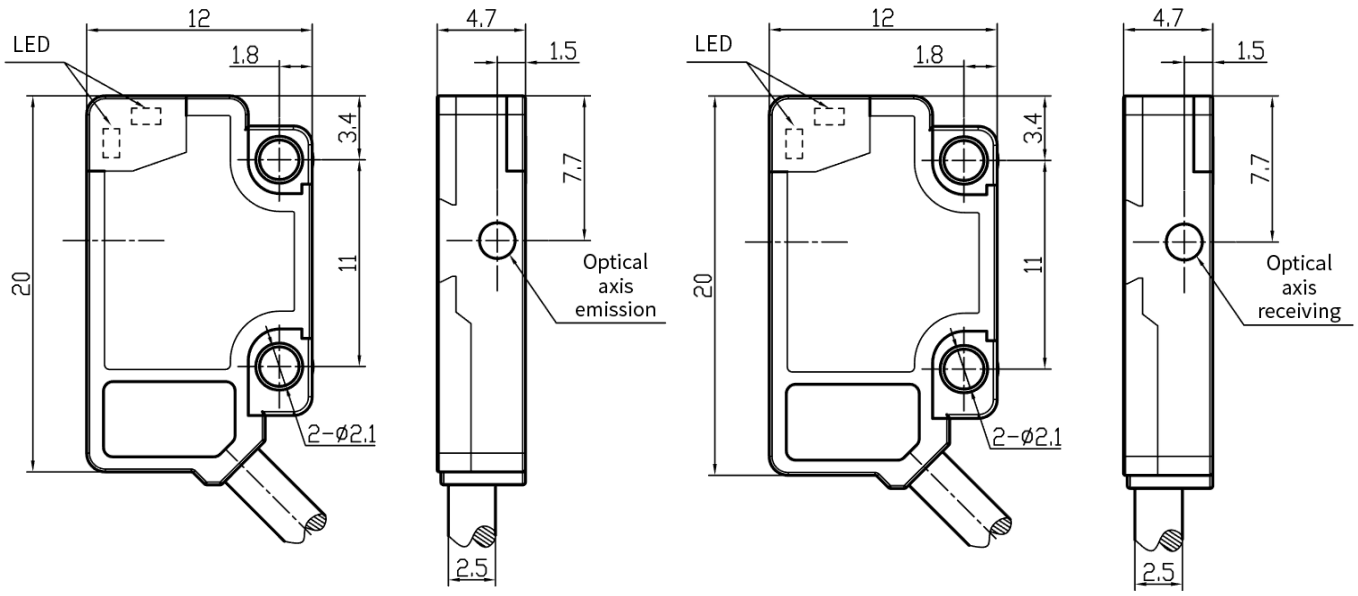
Model specification

	Emitter	Receiver		Emitter	Receiver
NPN NO	PSV-TC50DR-S	PSV-TC50DNOR-S	PNP NO	PSV-TC50DR-S	PSV-TC50DPOR-S
NPN NC	PSV-TC50DR-S	PSV-TC50DNCR-S	PNP NC	PSV-TC50DR-S	PSV-TC50DPCR-S

Specifications

Detection distance	50cm	Response time	<1ms
Standard test body	Φ2mm above opaque objects	Anti ambient light	Sunlight interference ≤10,000 lux
Direction angle	<2°		Incandescent light interference ≤3,000 lux
Light spot size	7*7cm@50cm	Operating temperature	-20...55 ℃
Supply voltage	10...30VDC	Storage temperature	-30...70 ℃
Consumption current	Emitter:≤10mA;Receiver:≤12mA	Protection degree	IP65
Load current	≤50mA	Certification	CE
Voltage drop	<1.5V	Shell material	PC+PBT
Light source	Red light(640nm)	Lens	PMMA
Protection circuit	Short circuit protection,Polarity protection	Weight	20g
	Overload protection,Zener protection	Connection	2m PVC cable
Indicator	Green:power,stable indicator;Yellow:output indicator	Accessory	Screws(M2×8mm)×2、Nut×2

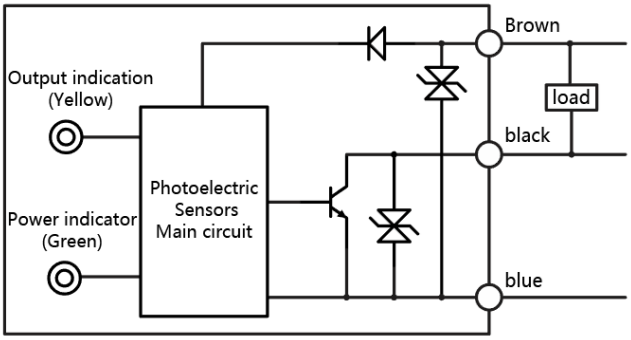
Dimension



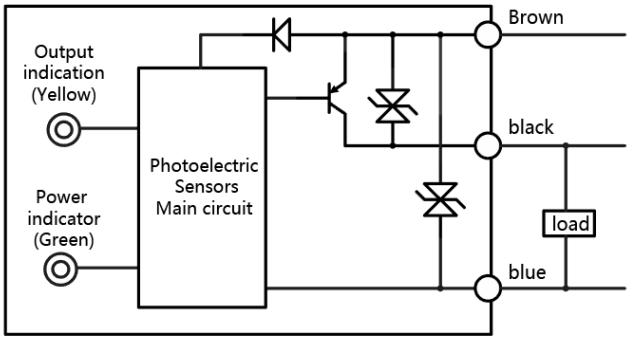
* Lanbao reserves all the rights

Wiring diagram

Receiver

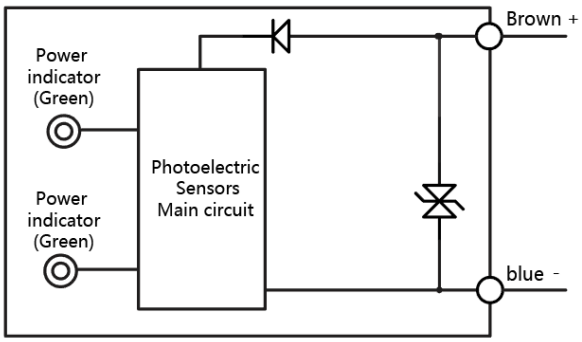


NPN



PNP

Emitter



* Lanbao reserves all the rights