

## Anti-glare Type

### PTL Series

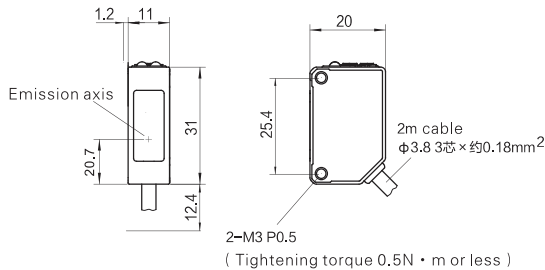


Anti-glare Type  
**NEW!**

Appearance		
Sensing type	Diffuse reflection-BGS	
Sensing distance	5~100mm	10~300mm
Sensing distance	20~100mm	50~300mm
Spot diameter	≈ Ø10mm/100mm	≈ Ø30mm/300mm
Should be bad	≦ 3%	≦ 5%
Output type	NPN / PNP open collector	
Switch Type	L.on /D.on selectable	
Indicator	Operating indicator: orange, Status indicator: red	
Response time	≦ 1ms	
Sensitivity	6-turn potentiometer	4-turn potentiometer
Light source	Red LED	
Operating voltage	10~30V DC	
Current consumption	≦ 30mA	
Ambient light	Sunlight ≦ 50,000 Lux, Incandescent lamp ≦ 5,000 Lux	
Ambient temperature	-25°C~+55°C, No freezing	
Ambient humidity	35%~85% RH, No condensation	
Anti-vibration	10 to 50 Hz with 0.5mm amplitude for 2 hours each in X, Y, and Z directions	
Degree of protection	IP67	
Connection	ABS (body), PMMA (window)	
Accessories	Screwdriver	
Model No.	NPN PNP	PTL-D10N PTL-D10P
		PTL-D30N PTL-D30P

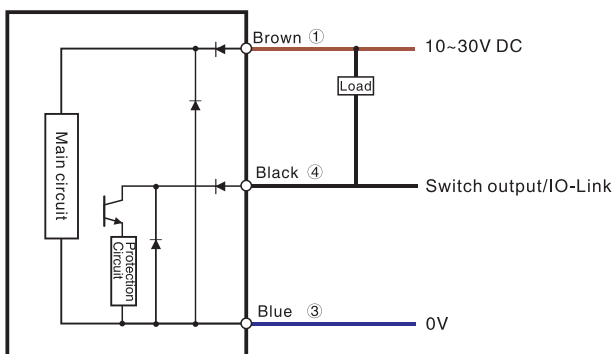
### Dimensions

Unit: mm



### Circuit diagram

#### NPN Output



#### PNP Output

