

Wide Slot Pre-wired Photoelectric Switch



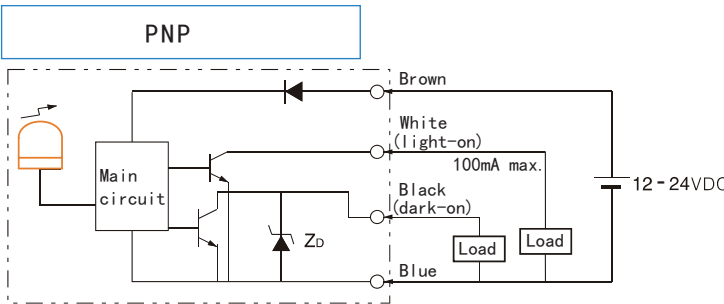
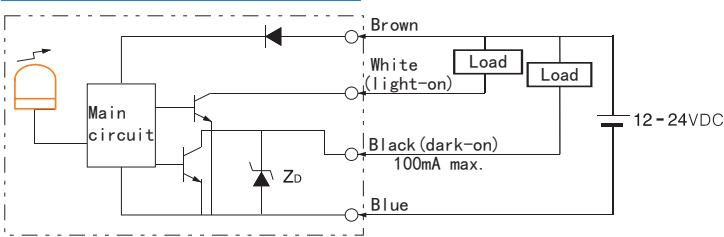
 Infrared light

Category				 Infrared light		
Sensing method	Appearance	Connecting method	Sensing distance	Operation mode	Output	Model
Through-beam in the slot		Pre-wired (2m)	 10mm	Light-ON Dark-ON (selectable)	NPN	EE-SU10N
	 15mm		PNP		EE-SU10P	
			NPN		EE-SU15N	
			PNP		EE-SU15P	

Ratings and Specifications

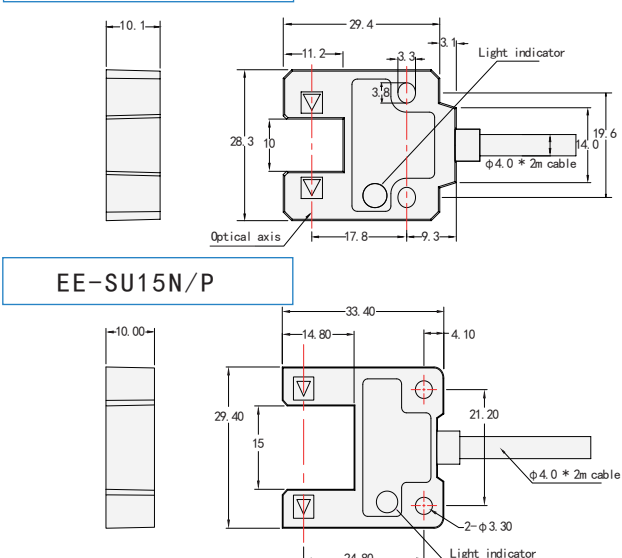
Model		EE-SU10N	EE-SU10P	EE-SU15N	EE-SU15P
Sensing distance		10mm (slot width)		15mm (slot width)	
sensing object		Opaque object: 0.5x10mm min.			
Light source		Infrared LED (940nm)			
Supply voltage		12-24V DC			
Current consumption		20 mA max.		25 mA max.	
Response time		1 ms max. at DC 24V			
Output configuration		Black wire: Dark-ON, white wire: Light-ON			
Ambient illumination		Incandescent lamp / Sunlight: 1,000 lx max.			
Ambient temperature		Operating: -25 to 55°C, Storage: -30°C to 80°C (with no icing or condensation)			
Ambient humidity		Operating: 48-85%RH, Storage: 48%-95%RH, (with no icing or condensation),			
Insulation resistance		20MΩ min. at DC 500V			
Dielectric strength		AC 500V, (50/60HZ, 1 minute)			
Vibration resistance		Destruction: 10-5000HZ, 1.5mm double amplitude for 2h each in X,Y and Z directions			
Shock resistance		Destruction: acceleration of 500 m/s ² , 10 times each in X,Y and Z directions.			
Protection degree		IP64			
Material	Case	Polycarbonate			
Weight		55g approx.			

I/O Circuit Diagrams



Dimensions

Unit:mm



EE-SU15N/P

