



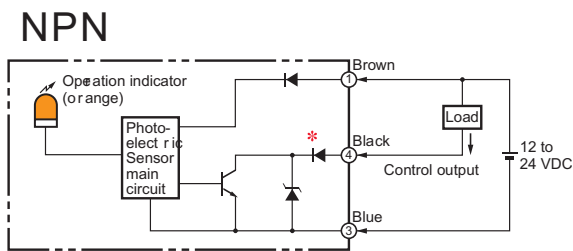
Potentiometer fiber amplifier

- Low cost, simple setting.
- Potentiometer adjust sensitivity, LED level display.

Category						
Detecting method	Shape	Connecting	Sensing range	Sensing action	Output	Models
Diffuse		2m cable	100mm	Light ON	NPN.NO.NC	S-11 S-11CD (M8 connector type)
				Dark ON		
Thr-beam			400mm	Light ON	PNP.NO.NC	S-11P S-11P/CD (M8 connector type)
				Dark ON		

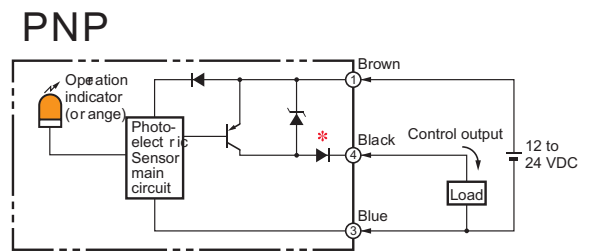
PS.sensing range base on white paper and universal M6 fiber

Wiring diagram



• M8 Connector Pin Arrangement

Note: Pin 2 is not used.



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SPECIFICATIONS

MODELS	S-11	S-11P
Operating voltage	12-24VDC \pm 10% ripple P-P10% below	
Consuming current	Less than 960nW, 40mA or less	
Detection output	NPN output type: NPN open-collector transistor Maximum sink current: 100mA Voltage : 30VDC or less (when detecting or between 0 to 30 VDC) Residual voltage: 1.0V or less (current 50mA) ,4 V (current 50mA)	
	PNP output type: PNP open collector transistor Maximum flow current : 100mA Voltage : 30VDC or less (when detecting or between 0 to 30 VDC) Surplus voltage: 2.0 V or less (current 100 mA) ,1.0 V (current 16 mA)	
Output operation	Detecting ON or not detecting ON , ON/OFF switch choice.	
Short circuit protection	Polarity protection / Circuit protection	
Indicator	Power light: green, Output light: orange	
Sensitivity function	8 circles turn adjusting	
Loading current	100mA Max.at DC 24V	
Isolating impedance	20M Ω min.(DC500V)	
Insulation compression	AC500V 60Hz for 60sec	
Protection level	Ip63	
Reaction time	400 μ s below	
Detection distance	Reflex : 100mm through-beam : 400mm	
Reaction time	0.5ms or less (Resistance interference function 0.7ms or less) about 250 μ s	
Timer function	about 40ms OFF Delay time	
Operating environment temperature	-10~+50°C (no-freezing,no-dew) Storage : -20~+70°C	
Operating environment humidity	35~85%RH , Storage : - : 35~85%RH	
Material	Shell: heat-resistant ABS, cover: polycarbonate, optical fiber fixed rod: PPS	
Accessories	Screw driver	

Wiring diagram

