



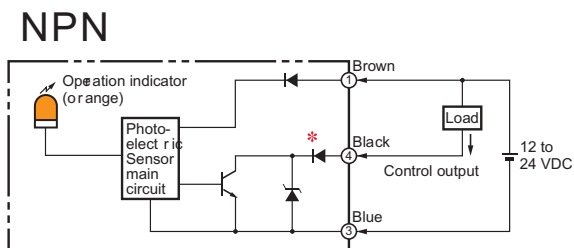
Dual-digital fiber amplifier

- Low cost, simple setting.
- Digital adjust sensitivity via dual-digital LED display on panel.

Category		Note: also offer blue light source type				
Detecting method	Shape	Connecting	Sensing range	Sensing action	Output	Models
Diffuse		2m cable	300mm	Light ON	NPN.NO.NC	S-201 S-201CD (M8 connector type)
Thr-beam				Light ON		
			Dark ON			
			2000mm	Dark ON		

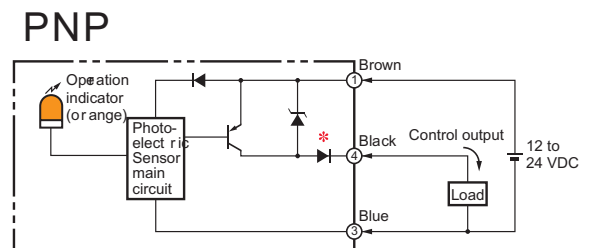
PS.sensing range base on white paper and universal M6 fiber

Wiring diagram



• M8 Connector Pin Arrangement

Note: Pin 2 is not used.



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SPECIFICATIONS

MODELS	S-201	S-201P
Operating voltage	12-24VDC \pm 10% ripple P-P10% below	
Consuming current	Less than 480mW, 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	two colors 4-bit*2 digital display adjustment	
Loading current	100mA Max.at DC 24V	
Isolating impedance	20M Ω min.(DC500V)	
Insulation compression	AC500V 60Hz for 60sec	
Protection level	Ip63	
Reaction time	P-1: 200 μ s P-2:400 μ S P-3: 1.6ms P-4: 6.4ms	
Detection distance	Reflex : 300mm; through-beam : 2000mm	
Reaction time	0.5ms or less ((Resistance interference function 0.7ms or less) about 250 μ s	
Timer function	1ms ~9999ms output delay adjustment	
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	Stent for install	

Wiring diagram

