

PE1 Standard Dual Digital Fiber Optic Amplifier

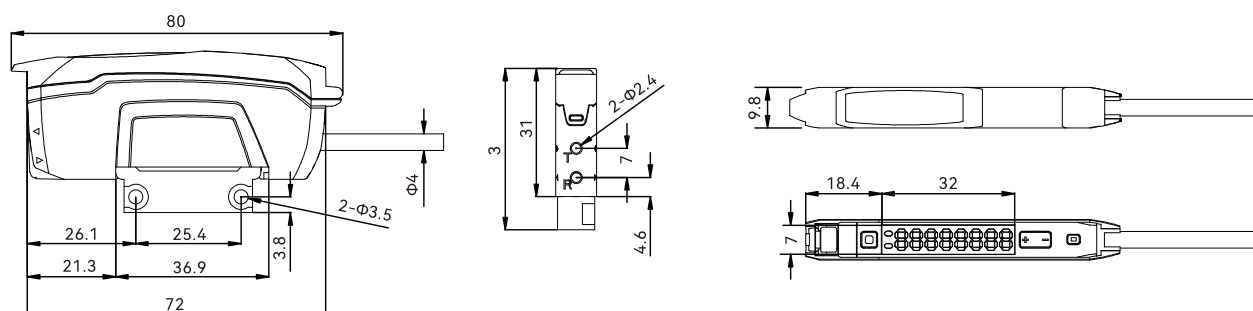
- No more tedious operations, easy one-touch teaching;
- With automatic light compensation technology, great adaptability with less maintenance;
- Six adjustable response speeds, small hysteresis up to 50 μ s.



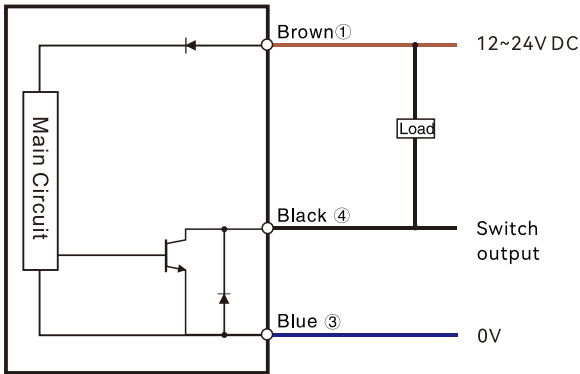
Model	PE1-N	PE1-P
Light source	Red modulated light (650nm)	
Operating voltage	12~24V	
Operating current	40mA	
Output type	NPN open collector	PNP open collector
Switch type	L.on /D.on selectable	
Display	7 segment 8 digit display (red: 4 digit, green: 4 digit)	
Response time	50 μ s (HIGH SPEED)/250 μ s (FINE)/500 μ s (TURBO)/1 ms (SUPER)/4 ms (ULTRA)/16 ms (MEGA)	
Calculator function	Timer off, break delay, on delay, single (output delay method)	
Sensitivity adjustment	Teach-in adjustment, manual adjustment	
Hysteresis	$\leq 20\%$ SN	
Switch type	L.on /D.on selectable	
Indicator	Work indicator: green; Action indicator: red	
Leakage current	<1.5V (load current<100mA)	
Load current	100mA	
Circuit protection	Power reverse polarity protection / surge protection / short circuit protection	
Ambient temperature	Operating temperature: -20° C to +50° C No freezing, no condensation; storage: -30 to +70° C	
Ambient humidity	Operating: 35%~85% RH, no condensation; Storage: 35%~95% RH	
Insulation	20M Ω	
Pressure resistance	± 1000 V 50/60Hz 60s	
Static electricity	± 8000 V(Air discharge)	
Group pulse	± 2000 V (5kHz/50kHz)	
Anti-vibration	10~50Hz amplitude 0.5mm, X Y Z three directions, 2 hours each	
Ambient illuminance	Incandescent lamp: ≤ 3000 lux / Sunlight: ≤ 10000 lux	
Degree of protection	IP50	
Housing material	PC	
Connector	2m 3 wire cable 4mm diameter	

Dimensions

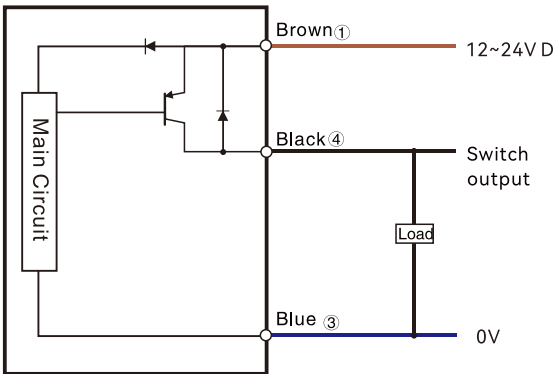
Unit: mm



NPN



PNP



Fiber Optic

- Slot Sensors
- Photoelectric
- Laser
- Proximity
- Displacement
- Magnetic
- Contact
- Area
- Ultrasonic
- Vision
- Code Readers
- Vibration
- Temperature
- Accessories

Guidance

Fiber amplifiers

- Economical
- Standard
- Ultra high speed

Fiber components

- Regular type
- Array-type
- Flat bracket type
- Side-view type
- High flexible type
- High temperature resistant
- Small spot type
- Combination type
- High end type

Fiber lens

- Fiber lens