

High Speed Response Type Fiber Amplifier

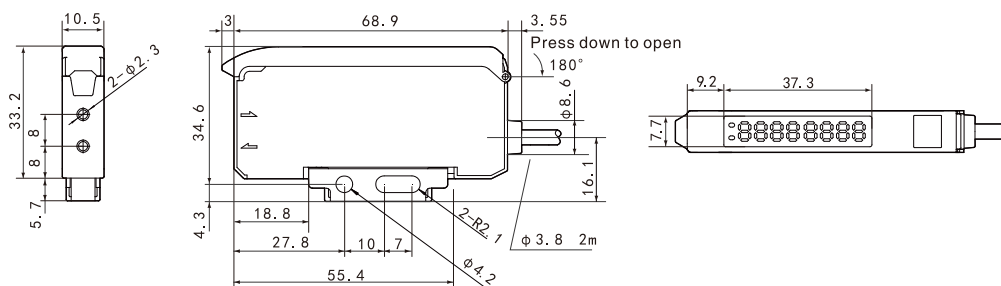
PC1 Ultra High Speed Response Dual Digital Display Fiber Amplifier

- Fastest response time in the industry (15ms)
- Digital display of red and green light in comparison, easy installation
- Unique technology for light compensation, stable detection



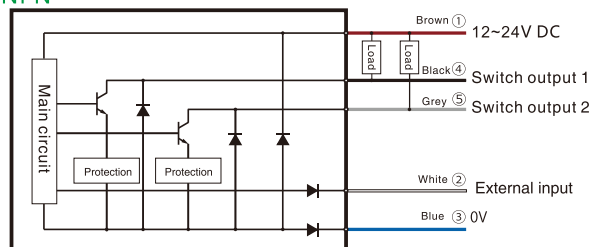
Model No.	XPC1-NH	XPC1-NH2	XPC1-PH	XPC1-PH2
Light source	Red LED 660nm			
Operating voltage	12~24V DC			
No-load supply current	Standard mode: 36mA max.(Single output), 39mA max.(Double output) Energy-saving mode: 25mA max.(Single output), 28mA max.(Double output)			
Output type	Single output NPN	Double output NPN	Single output PNP	Double output PNP
Switch type	Selectable L.on, D.on			
Indicator	Single output indicator (Red), dual output indicator (Orange)			
Display screen	7 segment 8 digit display (red: 4 digit, orange: 4 digit)			
Response time	15 μ s(22us(1-HS), 70 μ s(2-FS), 250 μ s(3-ST), 500 μ s(4-LG), 1ms(5-PL), 2ms(6-UL), 8ms(7-EL)			
ON/OFF Time delay function	ON delay, OFF delay, Single pulse output, ON + OFF delay, ON delay+Single pulse output 0.1~9.999ms			
Sensing distance	Thru-beam: 4000mm, Diffuse reflection: 1200mm			
Sensitivity adjustment	Teach-in / Manual			
External output function	Remote teach-in, Input stops once it shines, Syn trigger input, reset-input (for two outputs only)			
Operating temperature	-25°C~+55°C			
Operating humidity	35%~85%RH			
Ambient brightness	Sunlight \leq 10000lux, Incandescent lamp \leq 3000lux			
Anti-vibration	10~55Hz Double amplitude 1.5mm, XYZ three directions, 2 hours each			
Shock resistance	50G(500m/S ²), XYZ three directions			
Degree of protection	IP50			
Material	Shell: PPE, Display: PC			
Connection method	2m 5 core cable			
Weight	50g			

Dimensions



Circuit diagram

NPN



PNP

