

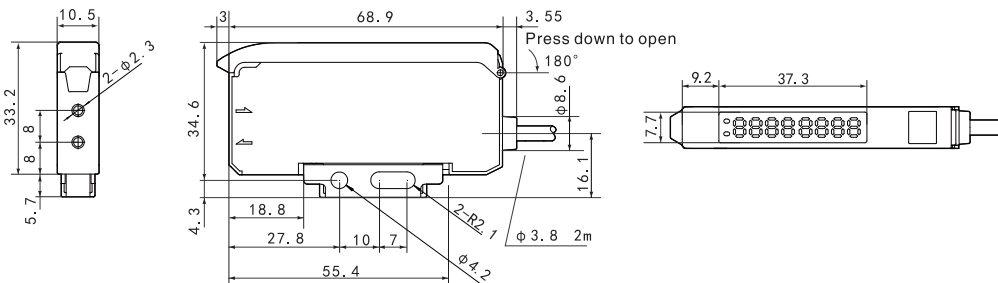
# High Speed Response Type Fiber Amplifier

## 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.	PC1-NH	PC1-NH2	PC1-PH	PC1-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	≤100mA / 30V DC, Load current≤100mA, Voltage drop≤1.8V, Normally open (L.on), normally closed (D.on)			
Indicator	Selectable L,on, D,on			
Display screen	Single output indicator (Red), dual output indicator (Orange)			
Response time	7 segment 8 digit display (red: 4 digit, orange: 4 digit)			
ON/OFF Time delay function	15 μs(22us(1-HS)), 70 μs(2-FS), 250 μs(3-ST), 500 μs(4-LG), 1ms(5-PL), 2ms(6-UL), 8ms(7-EL)			
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≤10000lux, Incandescent lamp≤3000lux			
Anti-vibration	10~55Hz Double amplitude 1.5mm, XYZ three directions, 2 hours each			
Shock resistance	50G(500m/S²), XYZ three directions			
Degree of protection	IP50			
Material	Shell: PPE, Display: PC			
Connection method	2m 5 core cable			
Weight	50g			

### Dimensions



Unit: mm

### Circuit diagram

