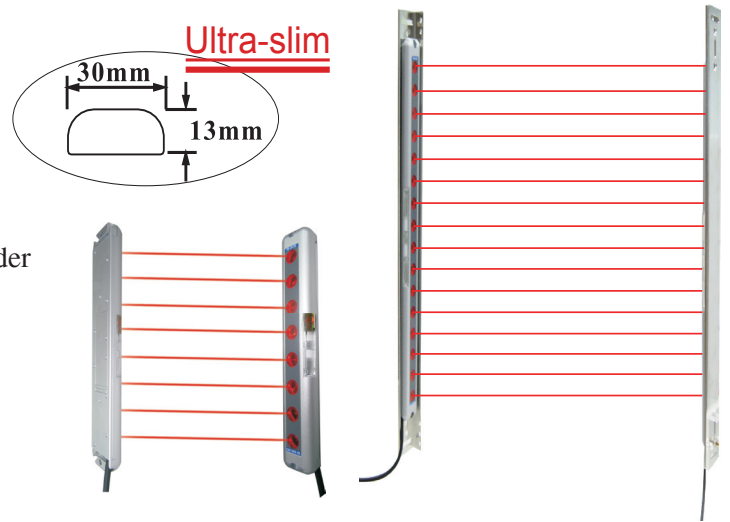


◆ Characteristic

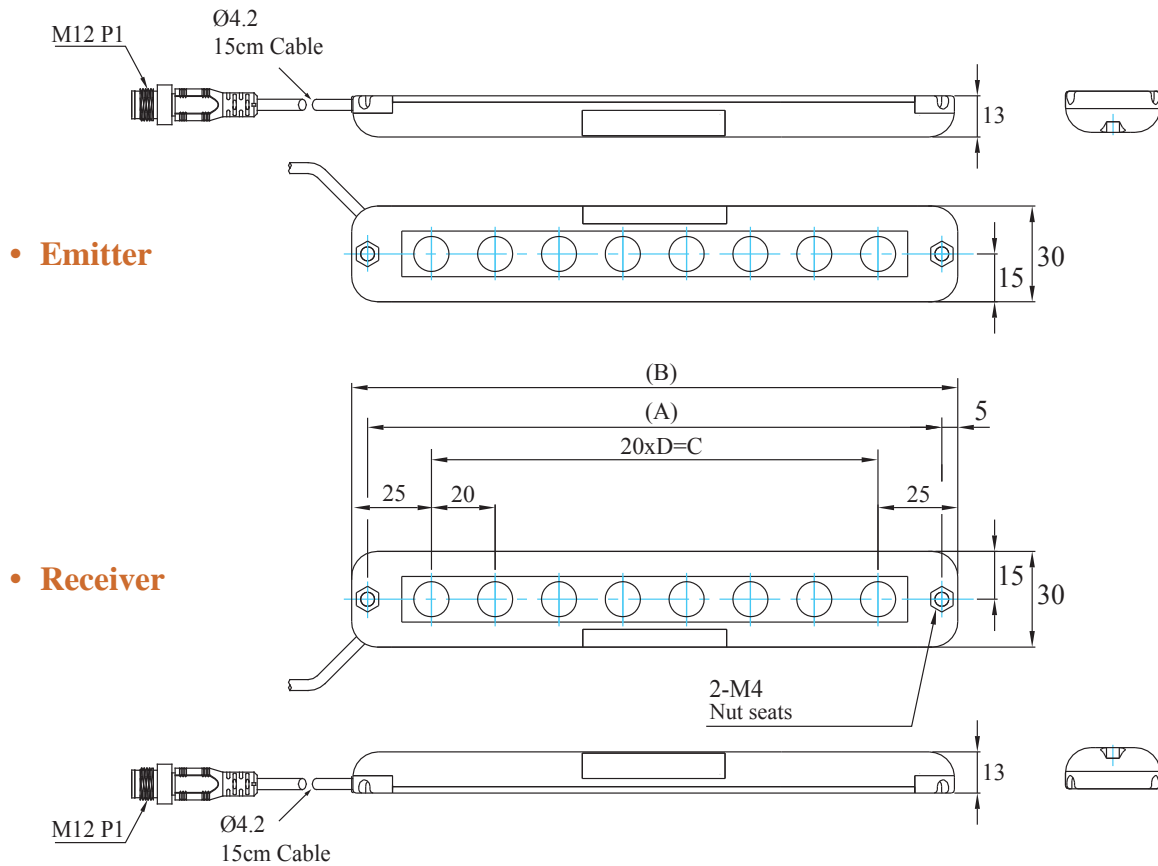
- Ultra slim body, 13mm thickness only.
- Min. Detectable Object Ø30mm.
- Green and red LED blink in sequence from top to bottom under normal emission. All LED light up under the emitting circuit failure.



◆ Specifications :

Model	NPN D.on	OAP-2008-NK	OAP-2008S-NK	OAP-2016-NK	OAP-2016S-NK
	PNP D.on	OAP-2008-PK	OAP-2008S-PK	OAP-2016-PK	OAP-2016S-PK
Sensing type	Through beam				
Resolution	30 mm opaque object				
Sensing distance	0.6 M ~ 5 M	0.3 M ~ 2 M	0.9 M ~ 5 M	0.5 M ~ 2 M	
Sensing Height	140 mm		300 mm		
Emitting light	Infrared LED : 850 nm				
No.of Beams	8		16		
Beam pitch	20 mm				
Indicating LED	5 LEDs each on emitter and receiver.		7LEDs each on emitter and receiver.		
	LEDs blink from top to bottom under the normal emission. All LEDs light up under the emitting circuit failure and will become blinking until the normal emission.				
Running type	More than a beam is covered ON (Dark On)				
Operating voltage	DC12 ~ 24 V±10% (ripple P-P : 10% Max.)				
Current Consumption	Transmitter : 90 mA Max.		Transmitter : 135 mA Max.		
	Receiver : 35 mA Max.		Receiver : 70 mA Max.		
Load current	100 mA Max at DC 24V				
Protection circuit	Reversed Supply circuit protection, Short circuit protection output				
Response time	Off to On : 15 ms Max.				
	On to Off : 20 ms Max.				
Insulation resistance	20MΩ min. (DC500V)				
Voltage withstandability	AC1000V 60Hz for 60 Sec.				
Operating temperature	- 10 °C ~ + 45°C (No freezing allowed)				
Ambient humidity	35% ~ 85% RH				
Storage temperature	- 10 °C ~ + 45°C (No freezing allowed)				
Storage humidity	35% ~ 95% RH				
Protection degree	IP62				
Material	ABS				
Wiring method	Transmitter : M12 pigtailed type(5P)		Receiver : M12 pigtailed type(5P)		
Option (Page 252 / Page 256)	OAP-M008 Mounting Bracket /		OAP-M016 Mounting Bracket /		
	Connectors : M125R-PUR-2M / M125R-PUR-5M				
Weight	Approx.200g		Approx.253g		

◆ Dimensions : (unit:mm)



Model	(A)	(B)	(C)	(D)
OAP-2008(S)-□K	180mm	190mm	140mm	7
OAP-2016(S)-□K	340mm	350mm	300mm	15

◆ Wiring diagrams

