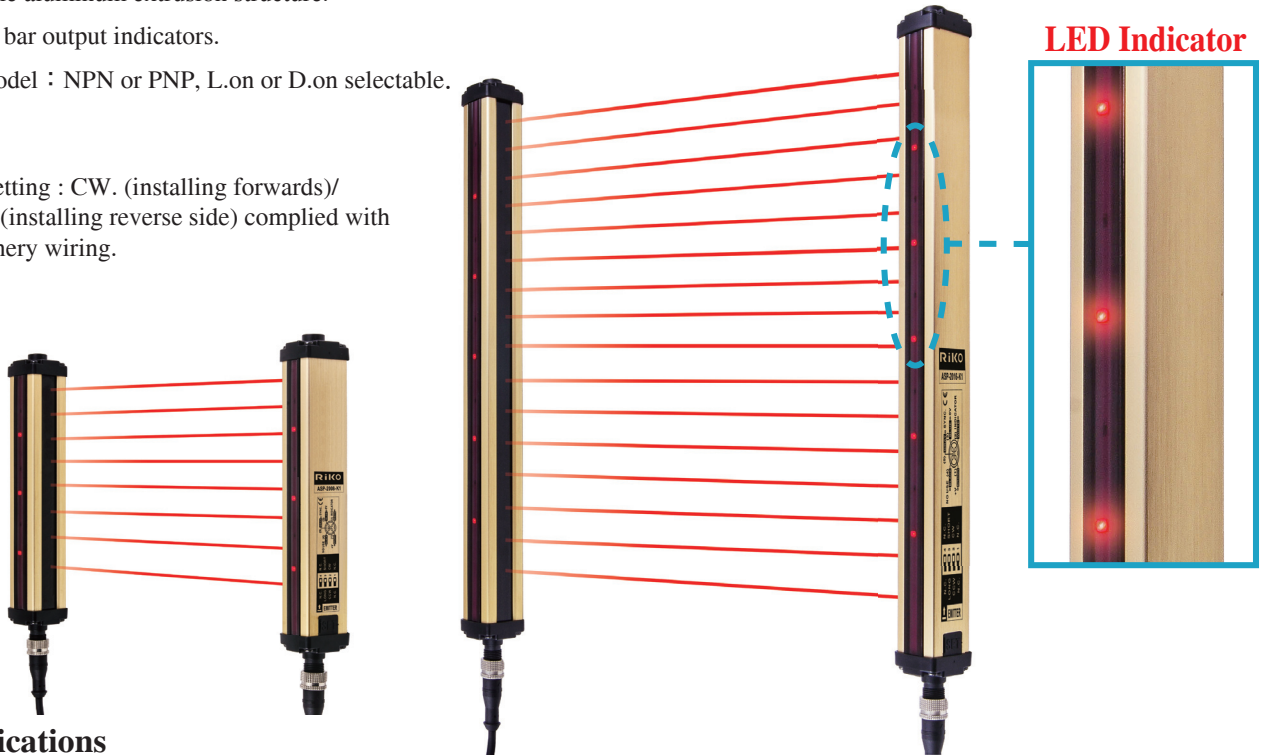


General Purpose Compacted Area Sensor

ASP

Characteristic

- Durable aluminum extrusion structure.
- Light bar output indicators.
- NP model : NPN or PNP, L.on or D.on selectable.
- DIP setting : CW. (installing forwards)/
CCW.(installing reverse side) complied with
machinery wiring.



Specifications

Model	NPN or PNP L.on/D.on	ASP-2008-K1	ASP-2016-K1	ASP-2024-K1	ASP-2032-K1
		ASP-2008S-K1	ASP-2016S-K1	ASP-2024S-K1	ASP-2032S-K1
No.of Beams		8	16	24	32
Sensing Height		140 mm	300 mm	460 mm	620 mm
Beam pitch		20 mm			
Sensing type		Through beam			
Resolution		30 mm opaque object			
Sensing distance		0.6 M ~ 5 M 0.3 M ~ 2 M	0.6 M ~ 5 M 0.3 M ~ 2 M	0.6 M ~ 5 M 0.3 M ~ 2 M	0.6 M ~ 5 M 0.3 M ~ 2 M
Emitting light		Infrared LED : 850 nm			
Indicating LED		Blinking or shining output indicators.			
Running type		More than one beam is covered ON (Dark On)			
Operating voltage		DC12 ~ 24 V±10% (ripple P-P : 10% Max.)			
Current Consumption		Transmitter : 45 mA Max. Receiver : 35 mA Max.	Transmitter : 60 mA Max. Receiver : 40 mA Max.	Transmitter : 70 mA Max. Receiver : 45 mA Max.	Transmitter : 90 mA Max. Receiver : 50 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		Aluminum+ABS			
Wiring method		Transmitter : M12 pigtailed type(5P) Receiver : M12 pigtailed type(5P)			
Option		Connectors : M125R-PUR-2M / M125R-PUR-5M			
Weight		Approx.320g	Approx.590g	Approx.890g	Approx.1180g

Photo / Area Photo / Ultrasonic Sensor

R5JM
/R3JK

PTQ18

PMF
/RMF
/MMF

PK3
/PK5
/PM6

SU
/SU15
/SU07
/SU30

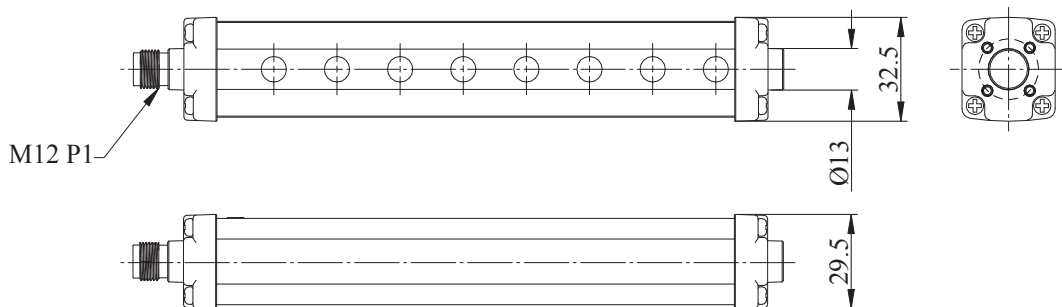
SPR
/RX

OAP
/ASP

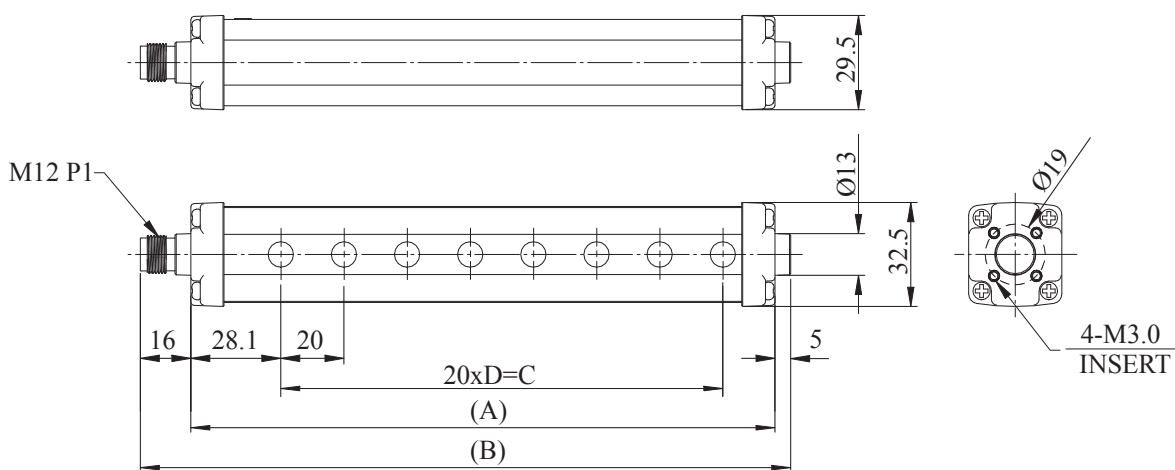
RU18

◆ Dimensions : (unit:mm)

• Emitter

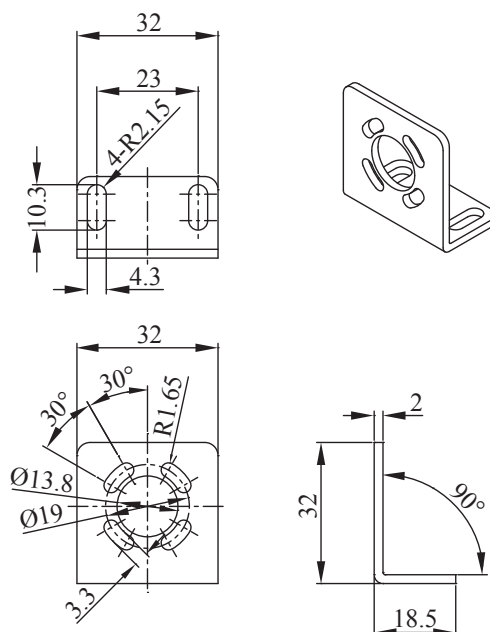


• Receiver



Model	(A)	(B)	(C)	(D)
ASP-2008(S)-K1	184.2mm	205.2mm	140mm	7
ASP-2016(S)-K1	344.2mm	365.2mm	300mm	15
ASP-2024(S)-K1	504.2mm	525.2mm	460mm	23
ASP-2032(S)-K1	664.2mm	685.2mm	620mm	31

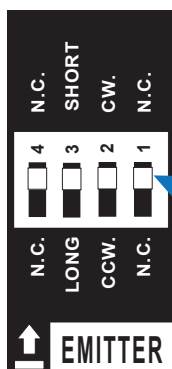
• ASP-Bracket



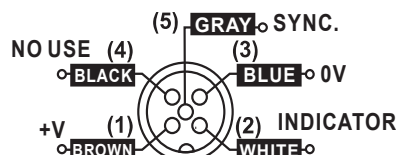
◆ DIP Switch :

ASP-2008(S)-K1 / ASP-2016(S)-K1 / ASP-2024(S)-K1 / ASP-2032(S)-K1

• Emitter



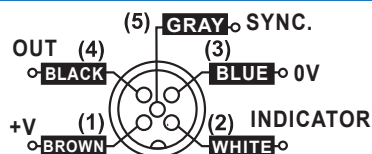
4.N.C./N.C.
3.LONG/SHORT
2.CCW./CW.
1.N.C./N.C.



• Receiver

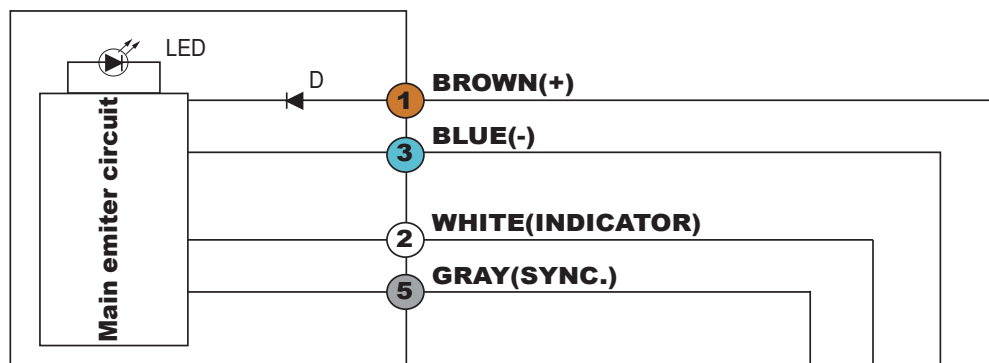


4.NPN/PNP OUTPUT
3.CCW./CW.
2.FLASH/FIX
1.D.ON/L.ON



◆ Circuit Diagram :

Emitter



Receiver

