

Photoelectric Sensor

S2 SERIES

- S2T-1200 ☐ ☐ • S2R-350 ☐ ☐
- S2D-80 ☐ ☐ • S2D-60 ☐ ☐
- BGS-2S30 ☐ ☐ ☐ • BGS-2S15 ☐ ☐ ☐
- BGS-2S10 ☐ ☐ ☐ • BGS-2S25 ☐ ☐ ☐

INSTRUCTION
MANUAL

- Confirm if the item meets your needs.
- Before the use, you should first thoroughly read this manual and operate correctly as mentioned.
- You should keep this manual at hand for proper use.

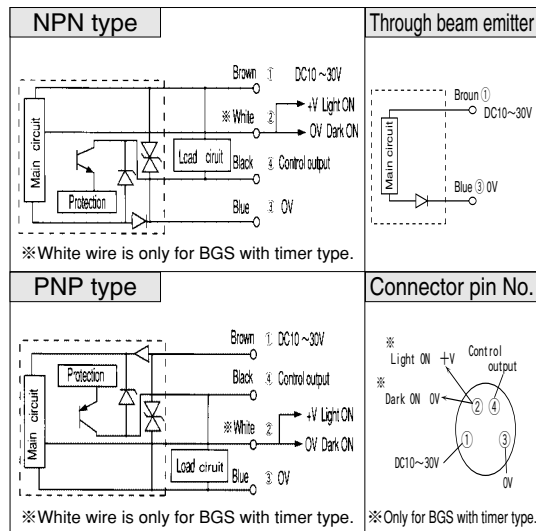
SPECIFICATION 1

	Through beam	Retro reflection	Diffused reflection		Limited function type		BGS Type	
					Through beam type	Retro reflection type	with timer function	without timer function
Cable type	S2T-1200N・	S2R-350N・	S2D-80N・	S2D-60N・	S2T-1200N/D・	S2R-350N/D・	BGS-2S30(N,P) T	BGS-2S30(N,P)
Connector type	S2T-1200CN・	S2R-350CN・	S2D-80CN・	S2D-60CN・			BGS-2S30C(N,P) T	BGS-2S30C(N,P)
Detecting distance	12m	3.5m	80cm	60cm	12m	3.5m	25～300mm (adjustable range)	
Supply voltage	DC10～30V Including ripple (P－P) 10%							
Current consumption	Sender : 20mA max.	20mA max.			Sender : 20mA max.	20mA max.	30mA max.	
	Receiver : 15mA max.				Receiver : 15mA max.			
Light Source	Red LED			IR LED	Red LED			
Response time	0.5ms max.							
Control output	NPN/PNP Open collector 100mA max./DC30V							
Operation mode	Light ON/Dark ON Selectable by swi				Dark ON		Light ON/Dark ON Selectable by wiring	
Sensitivity adjustment	1 turn volume				Not equippend		6 turns endless volume	
Indicator	Out put indicator (orange LED) Stable indicator (green LED) (Green LED of BGS type is stable incident indicator)							
Ambient temp./humidity	－25～55℃/35～85%RH							
Protection category/material	IP67 (IP65 for limited function type) /Case : ABS (glass included) Front cover : PMMA (PC for BGS type)							
Timer	Not equipped						0～100ms adjustable	Not equipped

SPECIFICATION 2

	BGS Type		
Cable type	BGS-2S25(N,P)	BGS-2S10(N,P)	BGS-2S15(N,P)
Connector type	BGS-2S25C(N,P)	BGS-2S10CP	BGS-2S15C(N,P)
Detecting distance	1~250mm	20~100mm	25~150mm
Supply voltage	DC10~30V Including 10% ripple (P-P)		
Current consumption	30mA max.		
Light Source	Red LED		
Response time	0.5ms max.		
Control output	NPN/PNP Open collector 100mA max./DC30V		
Operation mode	Light ON/Dark ON Selectable by wiring		
Sensitivity adjustment	6 turns endless volume		
Indicator	Out put indicator (orange LED) Stable incident indicator (green LED)		
Ambient temp./humid	-25~55°C/35~85%RH		
Protection category/material	IP67 Case : ABS (glass included) Front cover : PC		
Timer	Not equipped		

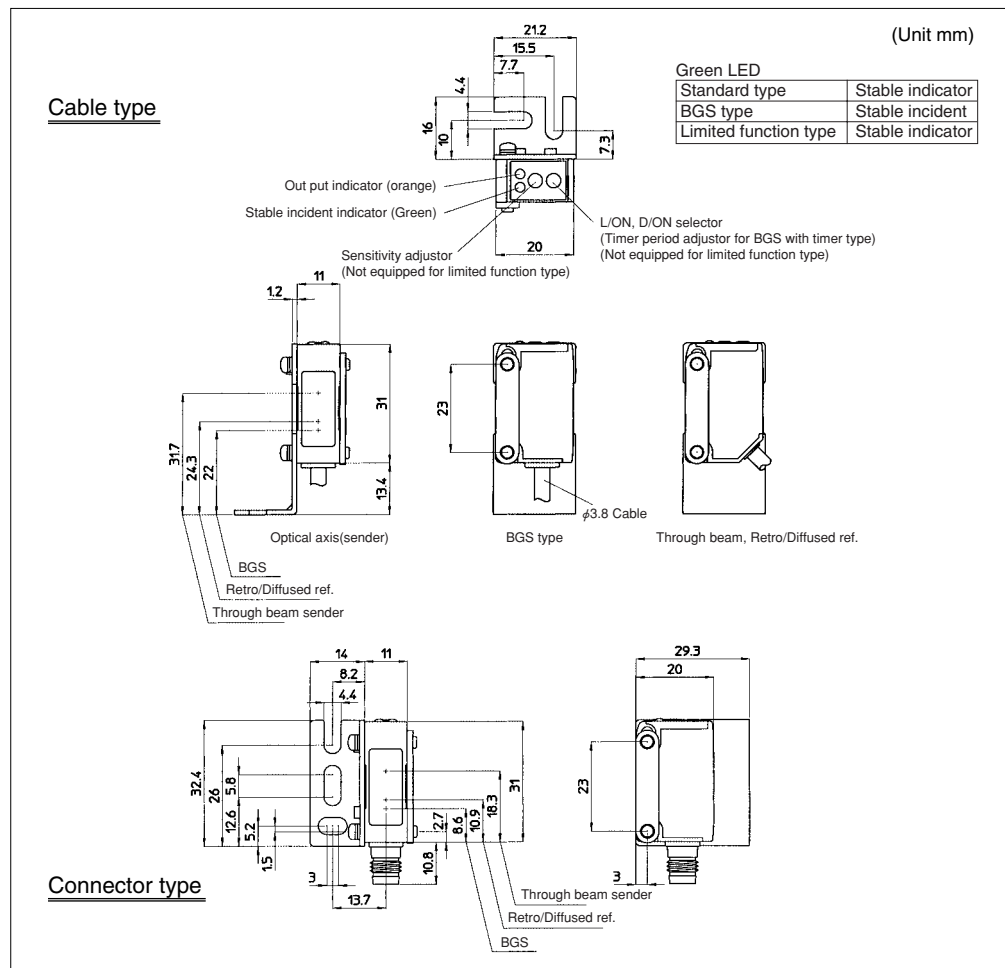
INPUT AND OUTPUT CIRCUIT DIAGRAMS



ACCESSORIES

- Standard reflector(for Retro-ref.)
Detecting distance 3.5m Type : V-6 1
- Optional reflector
Detecting distance 2m Type : V-4 2
- Optional reflector
Detecting distance 1.2m Type : P-4 5
- Anti-interference filter for Through beam type(option)
Type : B L-1 4 0-POLF
- Detecting distance : 5 m
- Bracket assy for vertical installation (option)
Type : B E F-W 1 4 0-B

DIMENSIONS



⚠ Must not use this item as safety equipment for the purpose of human body protection.

• Specifications and equipment are subject to change without any obligations on the part of manufacture.

• For more information, questions and comments regarding products, please contact us below.

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