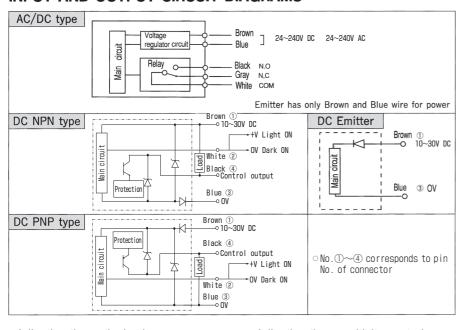


SPECIFICATIONS

Through Retro-reflection BGS Through Retro-reflection BG			
Through however	S		
beam (polarized filter) Long range Middle range Short range beam (polarized filter) Long range Middle	ange	Short range	
Cable type V2T-7000 V2R-1200 BGS-2V100 BGS-2V50 BGS-2V30 V2T-7000D(N,P) V2R-1200D(N,P) BGS-2V100(N,P) BGS-2V10(N,P) BGS-2V100(N,P) BGS-2V100(N,P) BGS-2V100(N,P) BGS-2V	(N,P)	BGS-2V30(N,P)	
Connecotor type - - - V2T-7000CD(N,P) V2R-1200CD(N,P) B6S-2V100C(N,P) B6S-2V5	C(N,P)	BGS-2V30C(N,P)	
Detecting distance 70m 0.01~12m%1 25~100cm 15~50cm 10~30cm 70m 0.01~12m%1 25~100cm 15~	0cm	10~30cm	
Light source Red LED			
Supply voltage DC24~240V±10% AC24~240V±10% 50/60Hz DC10~30V Including ripple (P-P	luding ripple (P-P) 10%		
Current consumption 3VA max.(class A) 4VA max.(class B) 2VA max. (class B) 35mA max.	35mA max.		
Response time 15ms max. 0.5ms max. 3ms max.	3ms max. 2ms max.		
Hysteresis — 20% max. 5% max. — 15% max.	% max. 5% max.		
Control output Relay 1C DC30V 2A / AC250V 3A max. NPN/PNP open collector DC30V 100mA max. (Residua	PNP open collector DC3OV 100mA max.(Residual voltage 1.8V max)		
Operation mode Light ON Light ON / Dark ON selectable by	Light ON / Dark ON selectable by wiring		
Sensitivity ajustment 2 rotation volume			
Indicator Output indicator (orange LED) / Stable indicator (green LED)			
ient temp./humidity -25~55°C / 35~85%RH (No condensation or freezing)			
ge temp./humidity -40~70°C / 35~95%RH			
Environmental illuminance Sun light: 10000lx max. Incandescent light: 3000lx max.			
Protection category/material IP67 (IEC 144)/Case: ABS (Glass fiber include) Front cover: PC (PMMA for retro-ref. type)			

INPUT AND OUTPUT CIRCUIT DIAGRAMS



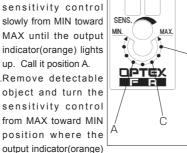
Adjusting the optical axias.

- O Through-beam type
- 1. Install the emitter and the receiver opposite to each other so that the optical axis lines up.
- 2. Swing the emitter and the receiver vertically and from side to side, and fix each at the midpoint in the range where the indicating lamp at the receiver lights up.
- Reflection type

Swing the sensor vertically and from side to side, an and fix it at the mid-point In the renge where the indicating lamp lights up

Adjusting the sensitivity control

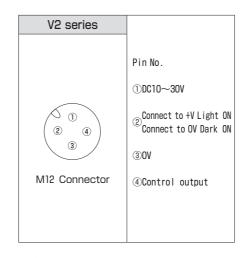
1.Set the detectable object at the detection position and turn the sensitivity control slowly from MIN toward MAX until the output indicator(orange) lights up. Call it position A. 2.Remove detectable



is extinguished. Call it position B.

3.Point C midway between A and B is the optimum sensitivity position.

HOW TO USE

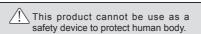


Other precautions

- olt is dangerous to wire or attach/remove the connector with the power on.Make sure to turn off the power before operation.

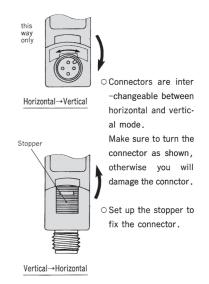
 Be careful not to install the sensor at the
- following locations, for it may otherwise malfunction:
 •Where a lot of dust, vapor, or the like is preset
- •Where corrosive gases are produced •Where water, oil or the like flies directly onto the sensor.
- •Where strong vibration or shock is caused to the sensor.
- o The product is not designed for outdoor use. oDo not use the sensor in a transient state at power on. (about 150 ms)
- Avoid wiring together with high voltage or motor line in order to prevent the sensor from noise.
- oThe performance may depend on the individual units or the condition of detected product.
 oThis product is not an explosion-proof
- construction. Do not use the product under flamemable, explosive gas or detected product.

 Do not use the product in water.
- oDo not disassemble, repair, or convert the product. Failure to do this may cause failure, fire, or electric shock.
- Operate within the rated range



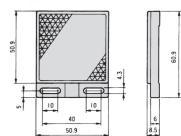
(Unit: mm)

● Inter-change of M12 connector

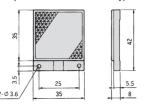


Accessories

○ Standard reflection mirror Type V-61 (for Retro-refrection)

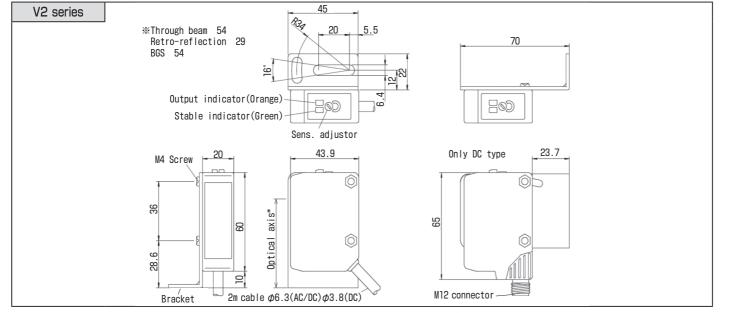


Optional reflection mirror Type V-42



(Unit: mm)

DIMENSIONS



- Specifications and equipment are subject to change without any obligations on the part of
- For more information, questions and comments regarding products, please contact us below.

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