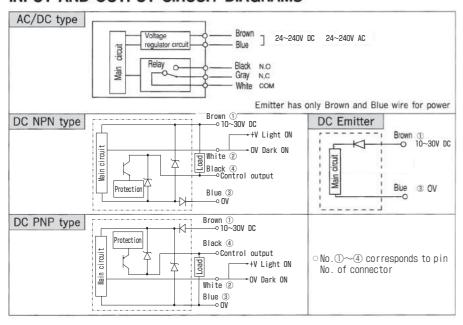


SPECIFICATIONS

		V2 series AC/DC type					V2 series DC type				
		Through beam	Retro-reflection (polarized filter)				Through	Retro-reflection	BGS		
				Long range	Middle range	Short range	beam	(polarized filter)	Long range	Middle range	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-2V50(N,P)	BGS-2V30(N,P)
	Connecotor type	_	_	_	_	_	V2T-7000CD(N,P)	V2R-1200CD(N,P)	BGS-2V100C(N,P)	BGS-2V50C(N,P)	BGS-2V3OC(N,P)
Detecting distance		70m	0.01~12m※1	25~100cm	15~50cm	10~30cm	70m	0.01~12m%1	25~100cm	15~50cm	10~30cm
Light source		Red LED									
Supply voltage		DC24~240V±10% AC24~240V±10% 50/60Hz					DC10~30V Including ripple (P-P) 10%				
		3VA max.(class A) 4VA max.(class B)					35mA max.				
Response time		15ms max.					0.5ms max.		3ms max.	2ms max.	
Hysteresis		— 20% max. 5% max.					- 15% max. 5%		nax.		
Control output		Relay 1C DC3OV 2A / AC25OV 3A max.					NPN/PNP open collector DC3OV 100mA max.(Residual voltage 1.8V max)				
Operation mode		Light ON					Light ON / Dark ON selectable by wiring				
Sensitivity ajustment		2 rotation volume									
Indicator		Output indicator (orange LED) / Stable indicator (green LED)									
Ambient	t temp./humidity	-25~55℃ / 35~85%RH (No condensation or freezing)									
Storage	temp./humidity	-40~70℃ / 35~95%RH									
Environn	nental illuminance	Sun light: 10000lx max. Incandescent light: 3000lx max.									
Protectio	n category/material	IP67 (IEC 144)/Case: ABS (Glass fiber include) Front cover: PC (PMMA for retro-ref. type)									

INPUT AND OUTPUT CIRCUIT DIAGRAMS



O Through-beam type

Adjusting the optical axias.

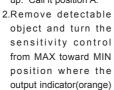
- 1. Install the emitter and the receiver opposite to each other so that the optical axis lines up
- 2. Swing the emitter and the receiver vertically and from side to side, and fix each at the midpoint in the range where the indicating lamp at the receiver lights up.
- Reflection type

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

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.

Adjusting the sensitivity control

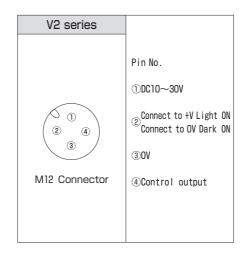
SENS.



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.

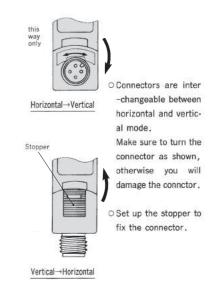
 Be careful not to install the sensor at the
- following locations, for it may otherwise malfunction:
 •Where a lot of dust, vapor, or the like is preset
- •Where corrosive gases are produced •Where water, oil or the like flies directly onto the sensor.
- •Where strong vibration or shock is caused to 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

This product cannot be use as a safety device to protect human body.

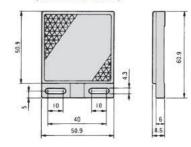
(Unit: mm)

• Inter-change of M12 connector

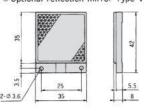


Accessories

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

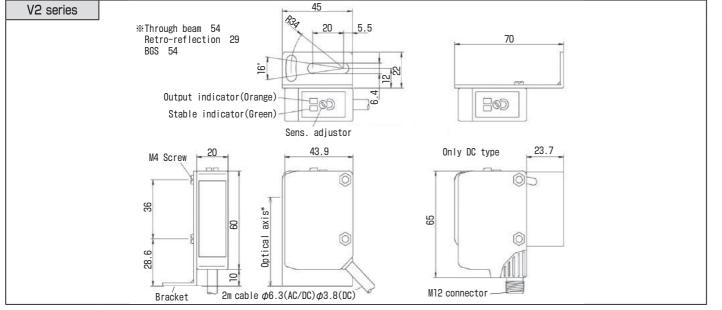


Optional reflection mirror Type V-42



(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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