

SPECIFICATIONS

				3 type		DG type				
		mildugii beam	Retro Reflection (with Polarizing fiiter)	Diffused Heffection	Diffused Reflection (Long Range type)	E) Through Beam	Retro Reflection (with Polarizing filter)		Diffused Reflection (Long Range type)	
		without timer with timer	without timer) with timer	without timer; with timer	without timer) with time					
Type	Terminal	VT-4000 VT-4000T	VR-1000 VR-1000T	VD-130 VD-130T	VD-300 VD-300	T VT-3000N VT-3000P	VR-800N VR-800P	VD-100N VD-100P	VD-250N VD-250P	
	M12 connector					VT-3000CN VT-3000CP	VR-800CN VR-800CP	VD-100CN VD-100CP	VD-2500N VD-2500P	
Detect	ing distance	40m	10m	1.3m	3m	30m	8m	lm	2.5m	
Supply Voltage				4~240V±10% 50/60Hz		DC10~30V±10%			22.0111	
Power/Current Consumption		8.5VA 5VA				35mA max.				
	ting Object	φ30mm	φ50mm	□20cm	□40cm	φ30mm	φ50mm	□20cm	□40cm	
	onse Time	20ms max.					1.5ms max. 5ms max.			
Hyste	erisis				20% max.				20% max.	
Light Source		Red LED IR LED				Red LED IR LED			IR LED	
Sensitiv	ity Adjustment	1 rotation volume (240°)								
Indica	ator	Output indicator (Orange) Power Indicator for Emitter (Red)								
Timer	function	_ ON/OFF Delay 0.1~10sec		ON/OFF Delay 0.1~10sec	ON/OFF De 0.1~10s		-	_		
Operating Mode						Light ON/dark ON selectable by volume				
Contr	ol Output					NPN/PNP Open collector DC30V 100mA max.				
Connection		Terminal base(Diameter of applicable cable: ϕ 6 \sim ϕ 10mm)				Terminal base (Diameter of applicable cable: φ6~φ10mm)/M12 Connector				
	t Temperature	-25∼+55℃ (No freezing)								
	nt Humidity	35~85%/RH								
Environmental Illuminance			Sun Light: 10,000lux max. Halogen light: 3,000lux max.							
	tion Resistor	20MΩ/DC500V								
	and Voltage	AC2700V 1 minute -								
	o <u>n</u> Resistance	10∼55Hz amplitude 1.5mm X.Y.Z.each 2 hours								
	Resistance	50G (500m/s) X.Y.Z.each 2 hours								
	tion category	IEC144 IP67								
Material Case/Cover: ABS (glass fiber Included) Lens: PMMA										

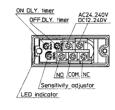
OTHER PRECAUTIONS

- O Be carefull not to install the sensor at the following locations. as it may otherwise malfunction
- Where a lot of dust, vapor, or the like is present.
- Where corrosive gas is produced.
- Where water, oil or the like flies directly onto the sensor.
- Where strong vibration or shock is caused to the sensor. O Do not use organic solvent, such as thinner, to remove contaminants from the body case, lid, and lens which are all of prastics. Using a dry rag, just wipe clean.
- O When a swiching regulator is to be used with a power supply, be sure to ground the Frame Ground Terminal
- O Do not use the sensor in a transient state at power on.(about 100ms)
- Op not run sensor cable near a high-voltage lines, or power lines or put them together in the same raceway. This warning should be strictly observed to prevent malfuncations caused by inductive interference.

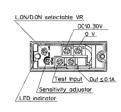
⚠ Must not use this item as safety equipment for the purpose of human body protection

NAME OF PARTS

∘ AC/DC type



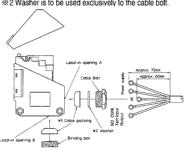
○DC type



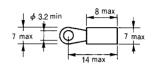
*Test Input function for through-beam type is equipped to emitter.

HOW TO USE

- Connection
- O Install the cables to match the connection terminal No. as shown below
- OUse either lead-in opening A or B according to the installation method involved.
- O Install a vlinding bolt at the lead-in opening not to be used. • The figure below shows how the cables are installed when
- lead-in opening A is used. ※1 Cable packing is selected separately either for cable or blinding bolt according to cable diameter
- Large: $\phi 8 \sim \phi 10$ Small: $\phi 6 \sim \phi 8$ ※2 Washer is to be used exclusively to the cable bolt



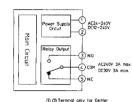
ODimensions of applicable solderless terminals

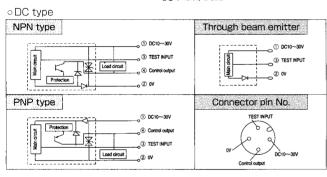


- · Use solderless terminals with insulating tube.
- OUse 6 to 10 mm diameter cables circular in section to maintain waterightness.
- O Wrong wiring may be a cause of burned or damaged sensor. Pay due attention to wiring.
- OBe careful not to install the cable near power lines, for otherwise the sensor may mulfunction.
- OUsing the mounting accessories supplid, the sensor can be installed on either floor or wall.

INPUT AND OUTPUT CIRCUIT **DIAGRAMS**

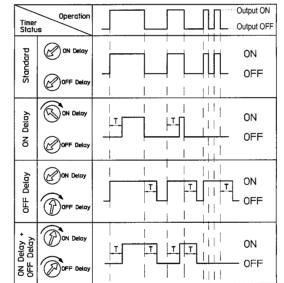
AC/DC type





TIMER CHART

Timer period (0.1 ~ 10S)



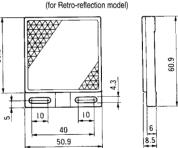
M12 Connector

TEST INPUT FUNCTION

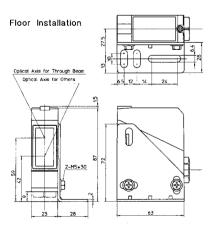
When the No.3terminal is connected to 0V (NPN type) or 10~30VDC (PNP type), an interrupted status is electrically invented by stoppage of emission. This function can be used as the operational check of the sensor by electric interrupted state without detectable object.

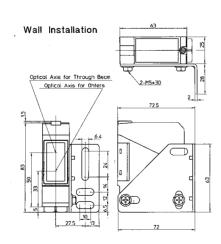
ACCESORIES

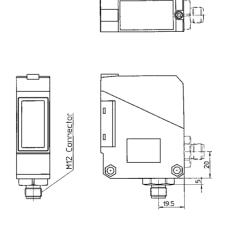
O Standard reflection mirror Type V-61



DIMENSIONS







- 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.

Manufactured and sold by :



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