

AC/DC Free Voltage, Tough To Dust Condition

V2 series & BGS-V series

20 types

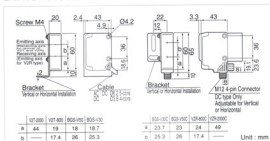
For details refer this catalogue



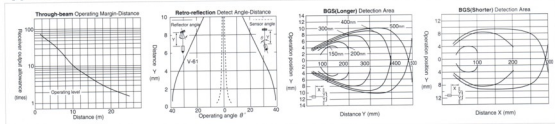
Big size lens assures stable detection even in a dusty condition. BGS function are available under AC power operation



Dimensions



Typical Characteristics (Examples)



Specifications

	Relay Output Type					Type Transistor Output Type				
	Through-beam	Retro-reflection	BGS			Through-beam	Retro-reflection	BGS		
Cable type (NPN)	V2T-2000	V2R-800	BGS-V80	BGS-V50	BGS-V30	V2T-2000DCP	V2R-800DCP	BGS-V80C	BGS-V50C	BGS-V30C
Connector type (PNP)	(Relay output types of above does not matter NPN/PNP)									
Connector type (NPN)	—	—	—	—	—	V2T-2000DCN	V2R-800DCN	BGS-V80CN	BGS-V50CN	BGS-V30CN
Scanning range	20m	8m	80cm	50cm	30cm	V2T-2000DCP	V2R-800DCP	80cm	50cm	30cm
Supply voltage	24 - 240V AC, or 12 - 240 V DC +/- 10%									
Operation indicator	2VA Max					Single LED				
Power consumption	2VA Max					35mA Max				
Sensitive adjustment	15msec Max					2-4um trimmer				
Response time	15msec Max					1msec		0.7msec		2msec
Control output	Relay output 1C, 250V AC, 0.3A / 30V DC 2A					NPN or PNP open collector (total 100mA 30V DC)				
Hysteresis	NIL	NIL	5% Max	5% Max	5% Max	NIL				
Operating mode	—					Light On / Dark On switchable by wiring				
Light source	Red LED									
Noise resistance	IEC 1000-4-2, Level 4, IEC 1000-4-3, Level 3, C4525 1000V JIS									
Amb. Temp/Humid	-25 to 55 C / 35 to 85 % RH									
Env. Illuminance	Sunlight : 10,000 lux Max, H ₂ Ogen : 3,000 lux Max									
Shock resistance	Approx 50G, 3-Y-Z 3 ways									
Protection category	IP67									
Housing Material	Housing : ABS Glassfiber reinforced. Front lens : PC (PMMA for retro-reflection)									

● Specifications are subject to change without prior notice for improvement.