

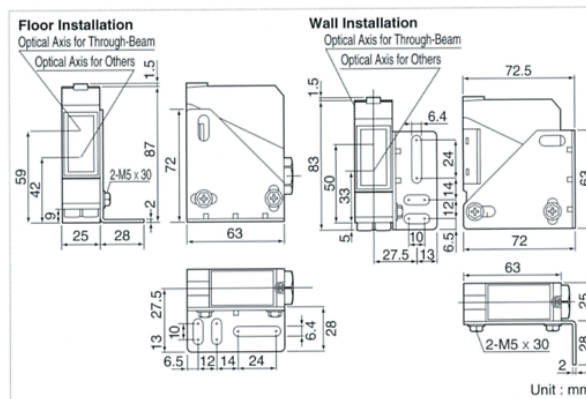
V series & BGS-V series

With it's non-flammable housing (15% glass powder inclusive), safe operation is guaranteed up to 264 VAC. Easy to wire terminals or QD connector models are available.



BGS with 2 meter detection (BGS-V2000)
40 M distance for thru-beam type (VT-4000)

Dimensions



Specifications

Type			V & BGS-V Series									
			Universal Voltage Models					DC Voltage Models				
			Thru-beam	Retro-reflective	Diffuse Reflective		BGS Type	Thru-beam	Retro-reflective	Diffuse Reflective		BGS Type
Model Number	Terminal Type	Relay	VT-4000	VR-1000	VD-130	VD-300	BGS-V2000	-----	-----	-----	-----	-----
		Relay w/Timer	VT-4000T	VR-1000T	VD-130T	VD-300T	BGS-V2000T	-----	-----	-----	-----	-----
	Terminal Type	NPN	-----	-----	-----	-----	-----	VT-3000N	VR-800N	VD-100N	VD-250N	BGS-V2000N
		PNP	-----	-----	-----	-----	-----	VT-3000P	VR-800P	VD-100P	VD-250P	BGS-V2000P
		M12 QD Type	NPN	-----	-----	-----	-----	-----	VT-3000CN	VR-800CN	VD-100CN	VD-250CN
PNP	-----		-----	-----	-----	-----	VT-3000CP	VR-800CP	VD-100CP	VD-250CP	BGS-V2000CP	
Sensing Range			40 meter	10 meter	1.3 meter	3 meter	2 meter	30 meter	8 meter	1 meter	2.5 meter	2 meter
Hysteresis			-----		20 %		15 %	-----		20 %		5 %
Supply Voltage			24 ~ 240 VAC, 12 ~ 240 VDC incl. 10% ripple					10 ~ 30 VDC incl. 10% ripple				
Current Consumption			8.5 VA	5 VA				35 mA max.			50 mA max.	
Response Time			20 msec.					1.5 msec. Max.			5 msec. Max.	
Control Output			One Form C Relay contact - 240 VAC 3A / 30 VDC 3A (resistive)					NPN or PNP Open Collector Transistor, 100 mA / 30 VDC Max.				
Operation Mode			Light-On					Selectable Light-On or Dark-On operation				
Timer			On / Off delay - 0.1 to 10 sec.					N/A				
Light Source			Red LED		Infrared LED			Red LED		Infrared LED		
Sensitivity Adjustment			Single turn potentiometer				Teach button	Single turn potentiometer			Teach button	
Indicators			Output (Orange), Power indicator for emitter (Red), (BGS models have Green Stability indicator)									
Regulation			JIS, C4525, CE, UL									
Ambient Temperature			Operation: -25 ^o to +55 ^o C,									
Ambient Humidity			35 - 85% RH									
Light Immunity			Sunlight:10,000 lux, Halogen Lamp: 3,000 lux									
Vibration Resistance			10 - 55 Hz., amplitude 1.5mm, X-Y-Z each 2 hours									
Shock Resistance			50 G, X-Y-Z each 2 hours									
IP Protection			IEC 144 IP67									
Material			Case: Glass fiber reinforced ABS, Lens: PMMA (BGS Type, lens: PC)									
Accessories			Mounting Bracket	Mounting Bracket Reflector #V-61	Mounting Bracket			Mounting Bracket Reflector #V-61	Mounting Bracket			

Note: Cables are not included with the QD sensor, please order separately.