

Cable type

V3 series

Terminal chamber type

V4 series

Easily disconnect and replace the amplifier leaving the mounting base as it is. Ideal for quick maintenance.



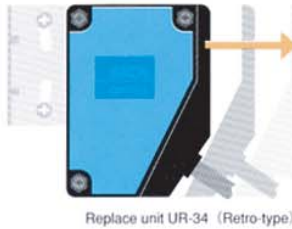
Relay type	V3 series	V4 series	Replacement Unit
Types			
Thru-Beam 40m	V3T-4000	V4T-4000	US-34 (emitter),UR-34 (receiver)
Retro reflection 10m	V3R-1000	V4R-1000	UR-34
Diffuse reflection 1.3m	V3D-130	V4D-130	UD-34

New product information
V3 SERIES / V4 SERIES

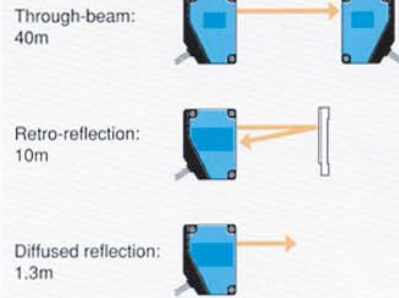
Features

Leave the base as it is, and just replace the amplifier only. (V3, V4 common). Possible to replace in a moment simply with a screw driver.

→ **V3 series**

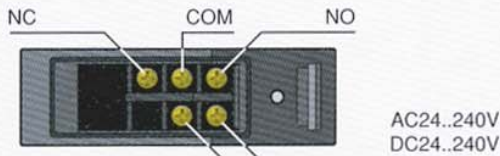


Long Scanning Range



Terminal layout for easy connection

→ **V4 series**



Non-flammable ABS used for housing. 15% glass powder is inclusive.

Applications (example)

Transportation industry
Positioning the car in garage.

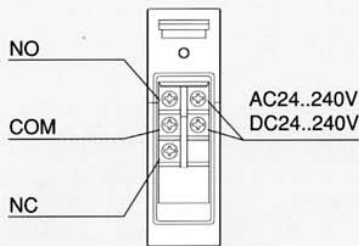


Specifications

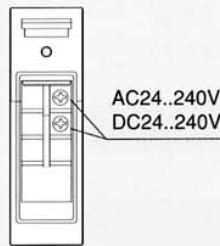
	Through-beam	Retro-reflection	Diffused reflection Red LED
V3 series : 2 m cable type	V3T-4000	V3R-1000	V3D-130
V4 series : Terminal Chamber type	V4T-4000	V4R-1000	V4D-130
Maintenance Unit (common to V3/V4)	US-34(emitter) UE-34(receiver)	UR-34	UD-34
Scanning range	40m	0.01 - 10m	1.3 m
Response		20msec	
Operation mode		Light ON	
Hysteresis		NIL	20% Max
Light source		Red	
Indicator		Single LED (Orange) as output indicator	
Control output		Relay NO/NC AV240V/DC30V, 3A	
Supply voltage		AC/DC 24-240V, +/- 10% ripple	
Regulation		JIS/C4525, CE, UL	
Power consumption RELAY type	9.5VA		5VA
Connection V3 series		2 meter cable	
V4 series		Terminal chamber, applicable cable $\phi 6$ to $\phi 10$	
Ambient temperature		-25 to 55°C	
Ambient humidity		35 to 85 % RH	
Storage Temperature		- 40 to 70°C / 35 - 95% RH	
Sensitivity adjustment		Single turn trimmer	
Protection		IEC 144, IP66	
Regulation		JIS/C4525, CE, cRUus	
Shock resistance		50G , XYZ 3-ways	
Materials		Glassfiber reinforced ABS (Case), PMMA (Lens)	

Components

Retro, Diffuse, and Receiver of Thru-Beam

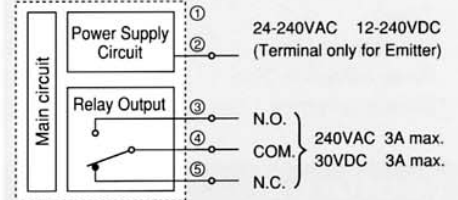


Emitter of V3T and V4T type

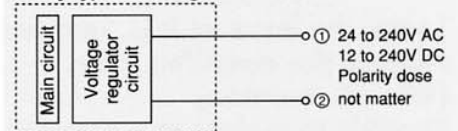


Connection diagram

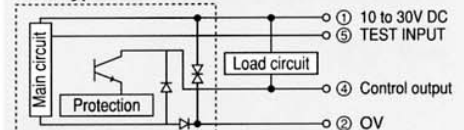
Relay type : Receiver



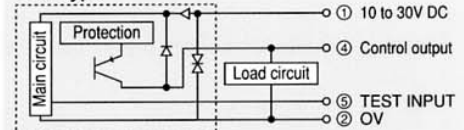
Relay type : Through-beam emitter



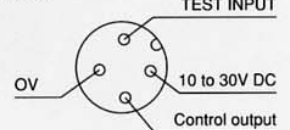
NPN type



PNP type

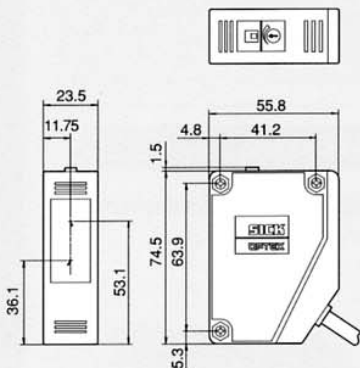


Pin configuration

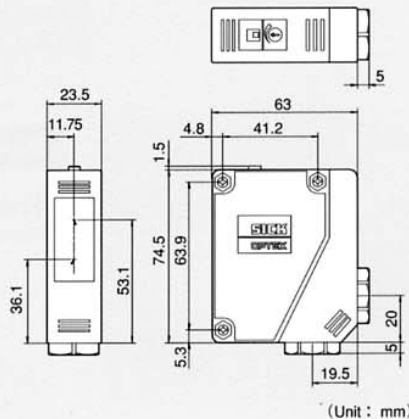


Dimensions

V3 series : Cable type



V4 series : Terminal chamber type



Optex-FA U.S. Sales
Ramco Innovations
(800) 280-6933
www.optex-ramco.com



OPTEX FA CO., LTD.

46-1 Takehanadounomae-cho Yamashina-ku Kyoto 607-8085 Japan
TEL +81-75-594-8123 FAX +81-75-594-8124