Teach-In Type Fiberoptic Sensor

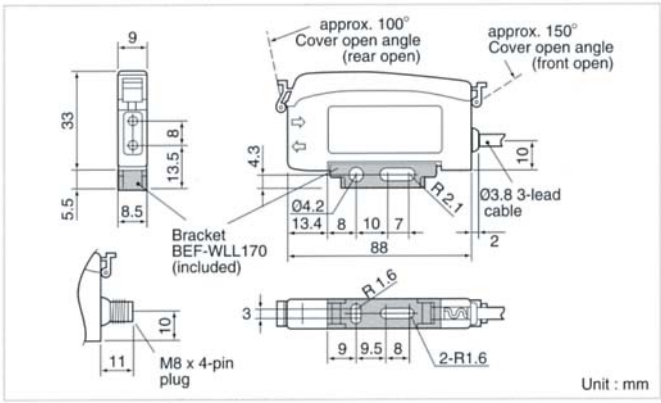
TRF series
Standard model

VRF-T series
With PSV (Precise Sensitivity Volume)

Not a simple Teach-in amplifier. Parallel use of Teach-In button plus Precise Sensitivity Trimmer gives security in sensitivity setting.

Taech-in type TRF series
VRF-T series common sharp

Dimensions



Specifications

Type			TRF Series - Teach-In Type		VRF-T Series - Teach-In with PSV adjustment	
			Standard Frequency Model	Different Frequency Model	Standard Frequency Model	Different Frequency Model
Model Number	Cable Type	NPN	**TRF-N**	**TRF-ZN**	**VRF-TN**	**VRF-ZTN**
		PNP	**TRF-P**	**TRF-ZNP**	**VRF-TP**	**VRF-ZTP**
	M8 QD Type	NPN	**TRF-CN**	**TRF-ZNCN**	**VRF-TCN**	**VRF-ZTCN**
		PNP	**TRF-CP**	**TRF-ZNCP**	**VRF-TCP**	**VRF-ZTCP**
Response Time			500 μsec.	700 μsec.	500 μsec.	700 μsec.
Applicable Fiber Cables			NF series fiber cables, See catalog for choices			
Supply Voltage			10 ~ 30 VDC incl. 10% ripple			
Current Consumption			50 mA max.			
Control Output			NPN or PNP Open Collector Transistor, 100 mA / 30 VDC Max.			
Operation Mode			Selectable Light-On or Dark-On operation			
Light Source			Red LED			
Sensitivity Adjustment			Teach-In button		Teach-In button with PSV adjust potentiometer	
Indicators			Output (Orange), Stability (Green)			
Timer			Off delay, 40 msec. fixed			
Conformity			JIS, UL, CE, VDE (Class 3)			
Circuit Protection			Reverse Polarity Protection, Overcurrent Protection			
Ambient Temperature			Operation -25°to +55°C			
Ambient Humidity			35 - 85% RH (no freezing)			
Light Immunity			Sunlight: 10,000 lux, Incandescent Lamp: 3,000 lux			
Noise Resistance			EN 50082-2			
Vibration Resistance			50 G, X-Y-Z 2 hours			
Shock Resistance			10 - 55 Hz. amplitude 1.5mm, X-Y-Z for 2 hours			
IP Protection			IEC IP 50			
Material			Case: ABS, Cover: PC			
Accessories			Mounting Bracket			

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