

Manual Adjust Fiberoptic Sensor

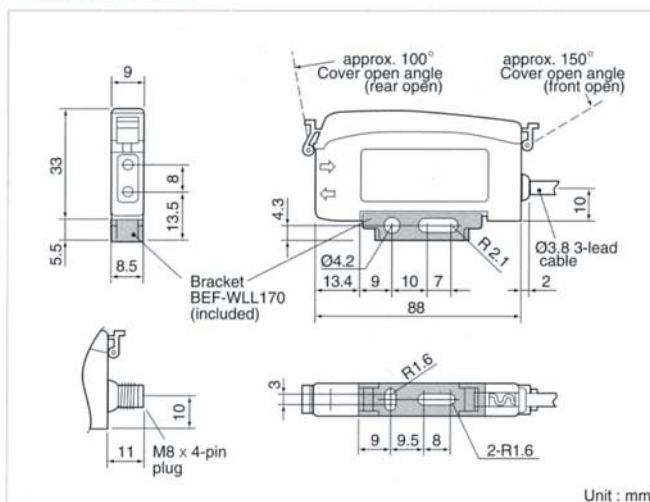
VRF series

Extremely thin amplifier (9 mm width).
 Variety of output choices - analog,
 high speed (50 micro sec.), and
 standard transistor.



Manual adjust type
 VRF series common shape

Dimensions



Specifications

Type			VRF Series			
			Long Distance	Standard	High Speed	Analog Output
Model Number	Cable Type	NPN	VRF-SN	VRF-N	VRF-HN	VRF-A
		PNP	VRF-SP	VRF-P	VRF-HP	-----
	M8 QD Type	NPN	VRF-SCN	VRF-CN	VRF-HCN	VRF-CA
		PNP	VRF-SCP	VRF-CP	VRF-HCP	-----
Response Time			400 μsec.	350 μsec.	50 μsec.	1 msec / 10 msec selectable
Applicable Fiber Cables			NF series fiber cables, See catalog for choices			
Supply Voltage			10 ~ 30 VDC incl. 10% ripple			
Current Consumption			40 mA max.			
Control Output			NPN or PNP Open Collector Transistor, 100 mA / 30 VDC			1-5 VDC, Max. 5 mA
Operation Mode			Selectable Light-On or Dark-On operation			
Light Source			Red LED			
Sensitivity Adjustment			Seven turn potentiometer			
Indicators			Output (Orange), Stability (Green)			Hi/Lo (Green), Operation (Red)
Timer			Off delay, 40 msec. fixed			NA
Temperature Drift			NIL			0.3 % F.S. / °C
Noise Resistance			EN 50082-2			
Shock Resistance			50 G, X-Y-Z for 2 hours			
Vibration Resistance			10 - 55 Hz. amplitude 1.5mm, X-Y-Z for 2 hours			
Conformity			JIS, UL, CE, VDE (Class 3)			
Ambient Temp./Humid.			Operation -25° to +55°C, 35 - 85% RH			
Light Immunity			Sunlight: 10,000 lux, Incandescent Light: 3,000 lux			Sunlight: 3,000 lux Incandescent Light: 1,000 lux
IP Protection			IP50			
Circuit Protection			Reverse polarity protection, Overcurrent protection			Reverse polarity
Material			Case: ABS, Cover: PC			
Accessories			Mounting bracket			

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