

High speed response time 0.1 ms/ON.

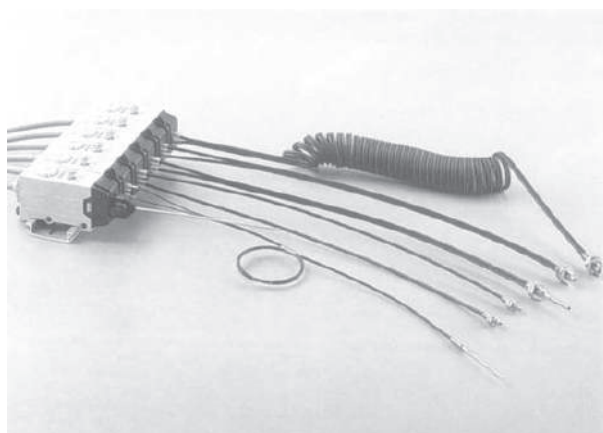
Free cut fiber cable.

DIN rail fixer.

Thermal drift less than $1\mu\text{m}/^\circ\text{C}$

Illumination over 10,000 Lux of lamp light.

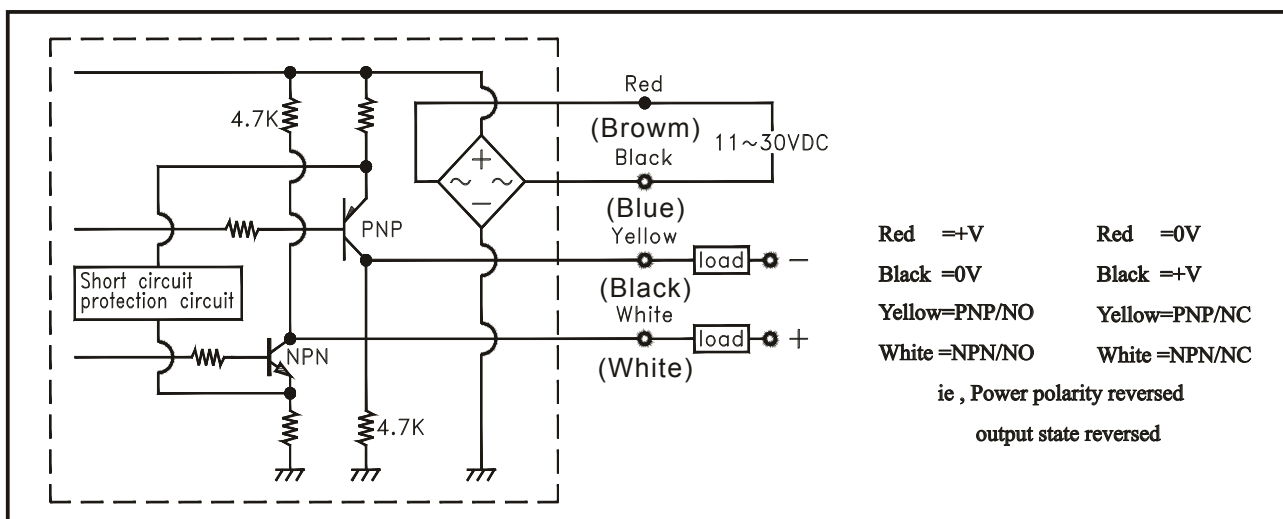
Fiber sensor with high repetitive $5\mu\text{m}$.



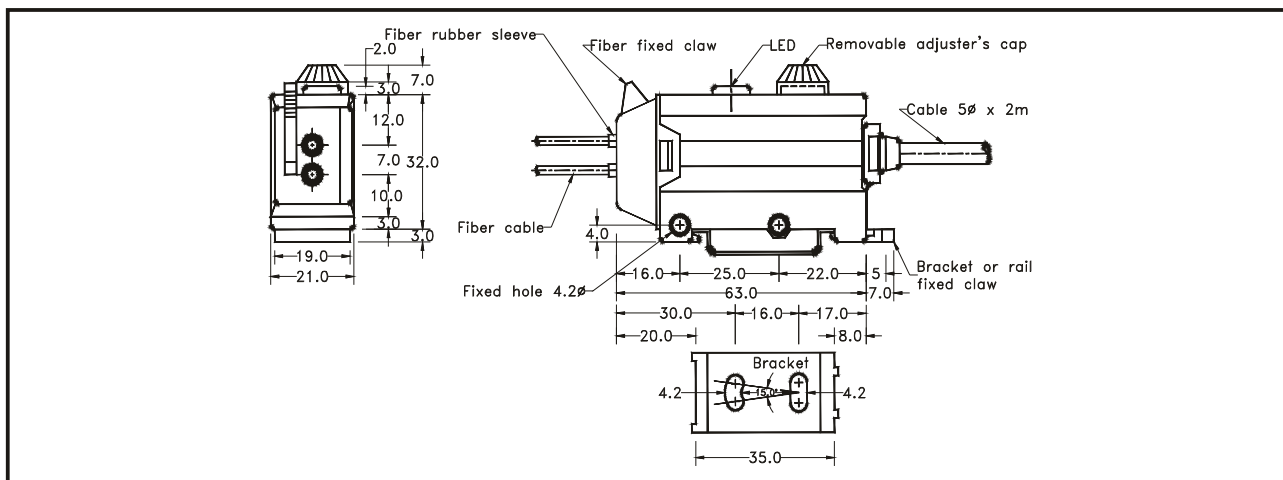
Specification 規格

Output Method	輸出方式	Standard Type		Long Distance Type	
Model	型號	FF-03R	FF-03X	FF-06R	FF-06X
Emitter	發射器	Red LED	Infrared LED	Red LED	Infrared LED
Response Time	響應時間	ON : 0.1ms , OFF : 0.15ms			
Hysteresis	磁滯現象	< 5% of Sensing Distance			
Operating Voltage	工作電壓	11~30 VDC ; Ripple < 20% of Peak to Peak			
Current Consumption	目前的消費	30 mA max.		40 mA max.	
Residual Voltage	剩餘電壓	< 0.8V			
Leakage Current	漏電流	< 0.8mA			
Output Method	輸出方式	NPN & PNP Two Way Output			
Output Status	輸出狀態	NO/NC Changeable			
Output Current	輸出電流	150mA max.			
Protection Method	保護方法	Short Circuit & Polarity Reversed Protection			
Connection Method	連接方式	4 Cores / 5.0 ϕ X 2m			
Protect Class	保護等級	IP-65			
Illumination	照明	Lamplight < 5,000 Lux ; Sunlight < 10,000 Lux.			
Operating Temp./Hum.	工作溫度	-20℃~+70℃ ; 35%~85% RH			
Housing Material	築屋材料	PBT			
Weight	重量	Appr. 105g			

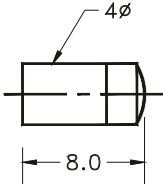
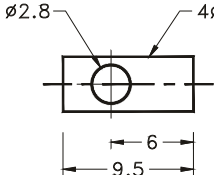
Output circuit & connection diagram 輸出回路及接線圖

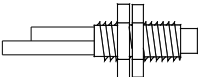
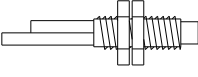
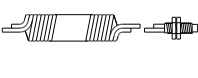
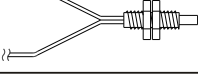
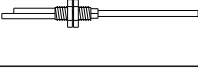
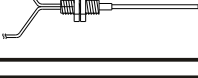
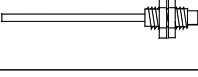
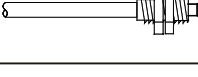
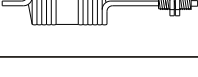


Dimension 尺寸



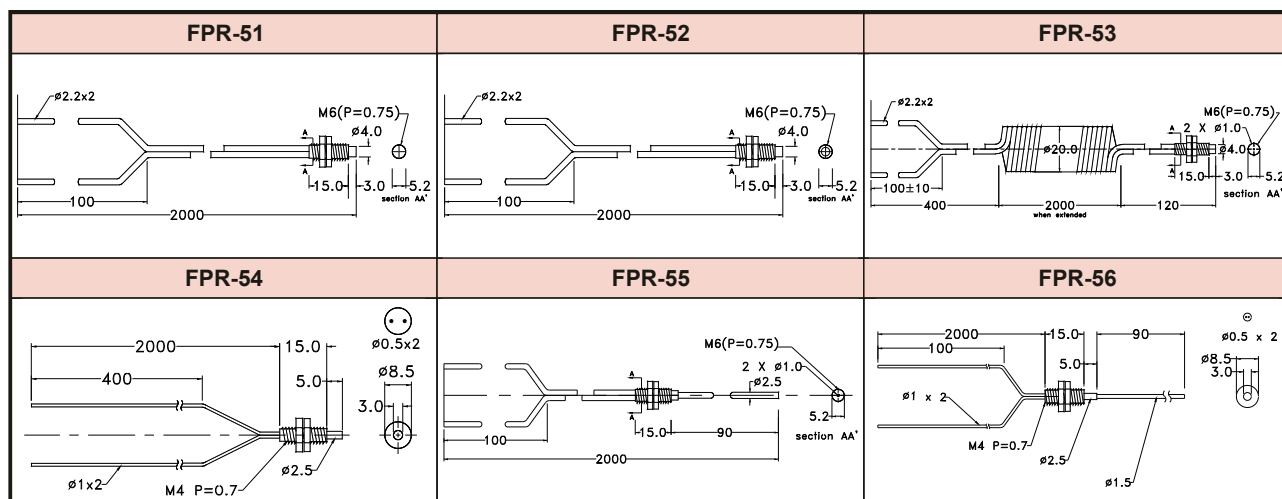
Attachment 附件 < Lens > 鏡頭

Type	Right View Lens		Aside View Lens	
Model	FL-1		FL-2	
Shape				
Suitable fiber unit	FPT-02			
Amplifier	FF-03R (X)	FF-06R (X)	FF-03R (X)	FF-06R (X)
Sensing distance	1200mm	2000mm	400mm	600mm
Min. sensible object	1 φ			

Type	Mode	Model	Fiber shape	Amplifier	Min. detectable object	Sensing distance	Operating temperature	Fiber material
Relfex Type	M6 1.0 $\varnothing$ X 2	FPR-51		mF-06R	0.03 $\varnothing$	65mm	-40°C +70°C	Poly-plasstic
	M6 1.0 $\varnothing$ X 1 0.25 $\varnothing$ X 15	FPR-52		mF-06R	0.03 $\varnothing$	65mm		
	M6 1.0 $\varnothing$ X 2	FPR-53		mF-06R	0.03 $\varnothing$	30mm		
	M6 0.5 $\varnothing$ X 2	FPR-54		mF-06R	0.03 $\varnothing$	45mm		
	M6 1.0 $\varnothing$ X 2	FPR-55		mF-06R	0.03 $\varnothing$	65mm		
	M4 0.5 $\varnothing$ X 2	FPR-56		mF-06R	0.03 $\varnothing$	45mm		
Thru Beam Type	M4 0.5 $\varnothing$ X 1	FPT-01		mF-06R	0.5 $\varnothing$	100mm	-40°C +70°C	Poly-plasstic
	M4 1.0 $\varnothing$ X 1	FPT-02		mF-06R	0.5 $\varnothing$	300mm		
	M4 1.0 $\varnothing$ X 1	FPT-03		mF-06R	0.5 $\varnothing$	100mm		
	M4 1.0 $\varnothing$ X 1	FPT-04		mF-06R	0.5 $\varnothing$	250mm		
	M4 0.5 $\varnothing$ X 1	FPT-05		mF-06R	0.5 $\varnothing$	250mm		
	M3 0.5 $\varnothing$ X 1	FPT-06		mF-06R	0.5 $\varnothing$	150mm		

Dimension 尺寸

Reflex Type 反射類型



Thru Beam Type 直通光束類型

