OPTICAL FIBER SENSOR

High speed response time 0.1 ms/ON.

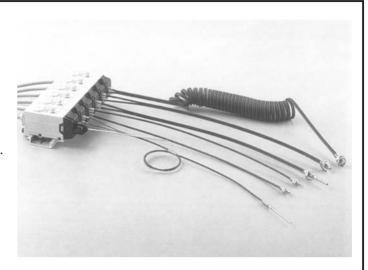
Free cut fiber cable.

DIN rail fixer.

Thermal drift less than 1μ m $^{\circ}$ C

Illumination over 10,000 Lux of lamp light.

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

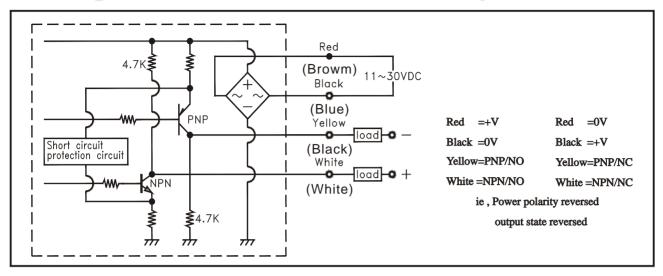


■Specification < Amplifier Unit >

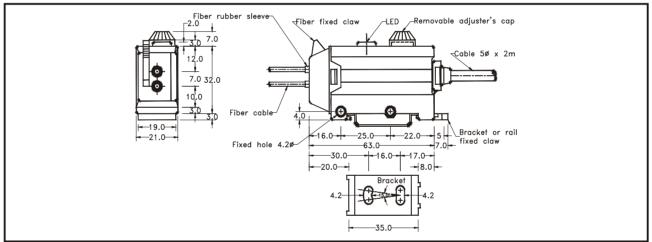
Output Method	Standard Type		Long Distance Type			
Model	FF-03R	FF-03X	FF-06R	FF-06X		
Emitter	Red LED	Infrared LED	Red LED	Infrared LED		
Response Time	ON : 0.1ms , OFF : 0.15ms					
Hysteresis	< 5% of Sensing Distance					
Operating Voltage	11~30 VDC ; Ripple < 20% of Peak to Peak					
Current Consumption	30 mA max.		40 mA max.			
Residual Voltage	< 0.8V					
Leakage Current	< 0.8mA					
Output Method	NPN & PNP Two Way Output					
Output Status	NO/NC Changeable					
Output Current	150mA max.					
Protection Method	Short Circuit & Polarity Reversed Protection					
Connection Method	4 Cores / 5.0 φ X 2m					
Protect Class	IP-65					
Illumination	Lamplight < 5,000 Lux ; Sunlight < 10,000 Lux.					
Operating Temp./Hum.	-20°C~+70°C ; 35%~85% RH					
Housing Material	РВТ					
Weight	Appr. 105g					



Output Circuit & Connection Diagram



■ Dimension < Amplifier Unit >



Attachment < Lens >

Туре	Right View Lens		Aside View Lens		
Model	FL-1		FL-2		
Shape			Ø2.8 4Ø		
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				

