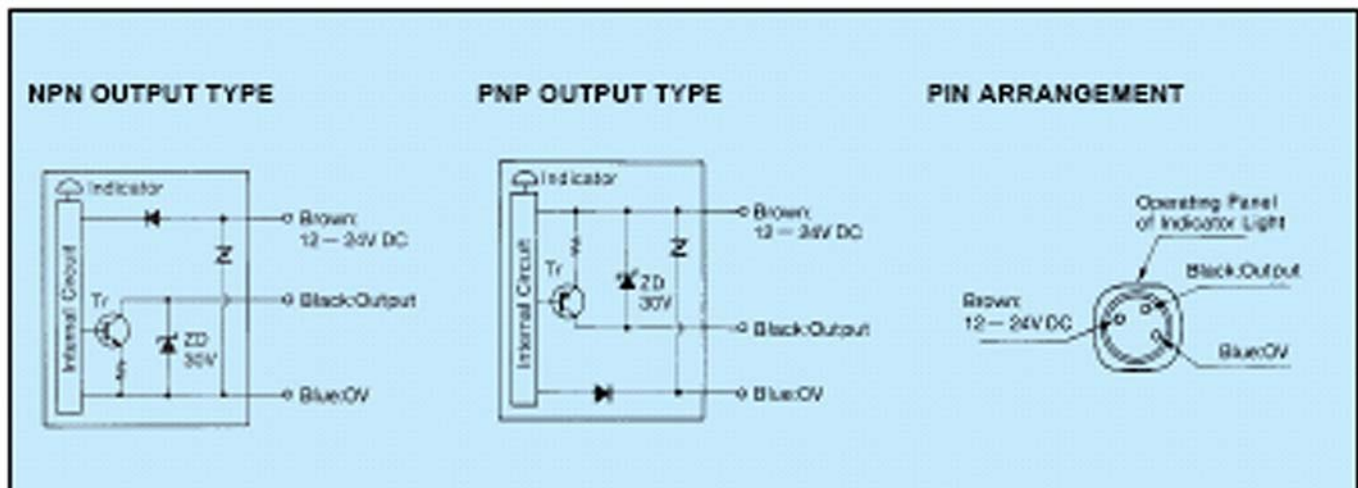


F2R series

- Amazingly slim
(External dimensions 8mm X 10mm, length 73 mm)
- The amplifier can be used as if it were a cable
- 2 output types: NPN or PNP
- Fast response time (500 μ s max.)



OUTPUT CIRCUITS



SPECIFICATIONS

Models	NPN OUTPUT TYPE		PNP OUTPUT TYPE	
	F2R	F2R-J	F2RPN	F2R
Detection	Through beam/Refraction(By fiber unit)			
Range	It depends on Fiber unit			
Power supply	12-24VDC \pm 10% Ripple 10% (Max.)			
Current consumption	25mA(Max.)		30mA(Max.)	
Output mode	NPN open collector		PNP open collector	
Rating	Sink current 100mA(30VDC) Max.		Source current 100mA(30VDC) Max.	
Operating mode	Light-On/Dark-On selectable L : Light-On /D : Dark-On			
Response time	500 μ sec(Max.)			
Hysteresis	10%(Max.)			
Light source	Red LED Wave length : 660nm			
LED indicator	OPL : Operation(Red) , STB : Stable(Green)			
Sensitivity adj.	SENS : Built-in Potentiometer			
Short protection	Built-in			
Response time	500 μ sec(Max.)			
Hysteresis	10%(Max.)			
Light source	Red LED Wave length : 660nm			
Connection	Flying lead	Connector *	Flying lead	Connector *
Cable	F3.5 , 2m	3P , 2.5m(option)	F3.5 , 2m	3P , 2.5m(option)
	0.2sqx3Wire			
Weight(Max.)	40g	65g	40g	65g
Accessories	1pc. Screwdriver for adjustment 1pc. Bracket for DIN rail(35mm width)			

ENVIRONMENT

Ambient light	Withstands 200 lx
Operating temp.	-25~ + 55°C(avoid any condensation)
Humidity	Withstands 85% RH
Case protection	IP65(Jet-proof)
Vibration	10Hz-55Hz 1.5mm Amplitude, 2HR, 3 Directions

DIMENSIONS

