

F10R/F5RN

F10R Fiber sensor with easy setting function by button and switch.



Dedicated CPU enables easy setting and teaching.

No need to read instruction manuals.

- 3 automatic teaching are available: Full auto, Auto and external teaching.
- Independent adjustment for sensitivity and hysteresis.
- Anti interference, stability output and off-delay timer are equipped.
- Protective structure IP66
- Visible light level indicator using 5 LEDs (F10R · F10G · F10RPN)

Rating/Performance/Specification

Model	F10R	F10G	F10RPN	F10CR
Light source	Red LED	Green LED	Red LED	Red LED
Power supply	12-24VDC ±10% Ripple 10% or less			
Current consumption	50mA or less	50mA or less	60mA or less	50mA or less
Output mode	NPN output / Rating: sink current 100mA(DC30V) or less		PNP output / Rating: source current 100mA(DC30V) or less	NPN output / Rating: sink current 100mA(DC30V) or less
Stability output	Provided	Provided	Provided	—
External teaching	Provided	Provided	Provided	—
Response time	500 μs or less			

F5RN Setting with one finger ! An awkward tool is no longer needed for sensitivity adjustment.



Equipped with 4-turn no-stop potentiometer.

- No setting required except sensitivity.
- Large knob can be turned by a hand with glove.
- Receiving light stability indicator equipped.

Rating/Performance/Specification

Model	F5RN	F5RN-PNP	F5N-PNP
Light source (wave length)	Red LED (660nm)	Red LED (660nm)	Infrared LED (810nm)
Power supply	12-24VDC ±10% Ripple 10% or less		
Current consumption	30mA or less		35mA or less
Output mode	NPN output /Rating : sink current 100mA (dc30v) or less	PNPoutput/ Rating : source current 100mA (DC30V) or less	
Operation mode	Light ON / Dark ON Dual output by control line.		
Response time	500 μs or less		