

High Precision Fibreoptic Colour Amplifier

[FV-58]

- Multiple adjustable response speed
- Red and green digital display
- One-teach smart auto tuning for fast-setup



4 application modes for flexible selection

MEGA, SUPER, FINE, and HIGH-SPEED, by selecting the right mode, user can ensure optimal accuracy, speed, and reliability.

Smart auto-tuning, effortless optimization

With a single flick of the button, the amplifier automatically identifies and select the optimal mode based on your application needs.

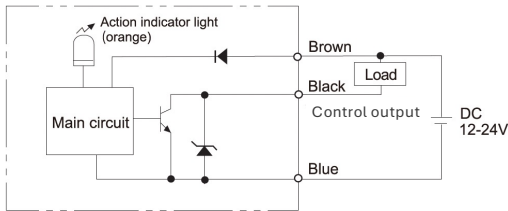


Specifications

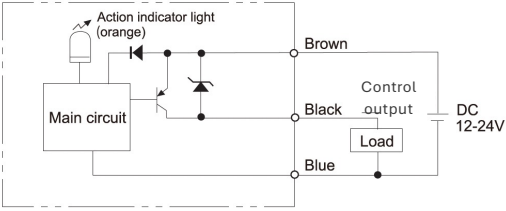
Model	NPN	FV-58N
	PNP	FV-58P
Detection method	Light intensity mark and automatically colour matching detection	
Light source	White four-element LED	
Response time	Contrast mode: 33 μ s, Colour mode: 80 μ s	
Output (Control output)	1 output (Open-collector, 24 V or less 100 mA or less)	
Residual voltage	NPN / PNP 1 V or less (output current: 10 mA or less)	
Display indicator	Operation: Red LED, dual-digital monitor: dual 7-digit display, threshold: 4-digit green LED indicator, current value: 4-digit red LED indicator.	
Current value range	0 to 9,999	
Operation mode	LIGHT-ON / DARK-ON (button selection)	
Timer function	OFF-DELAY / ON-DELAY / Single timer (switch selectable). Meter display selectable 0 to 9,999 ms	
Protection circuit	Reversed polarity, overcurrent protection, surge absorber	
Power supply	12 to 24 VDC (including 10% ripple (P-P) or less), class 2	
Power consumption	300 mW or less	
Ambient light	Incandescent lamp: 20,000 lux or less, sunlight: 30,000 lux or less	
Vibration resistance	10 to 55 Hz; double amplitude 1.5 mm; 2 hours each for X, Y, and Z axes	
Shock resistance	500 m/s ² 3 times in the X and Y direction	
Ambient temperature	-20 to +55°C (No freezing)	
Weight	Approx. 92 g	

Input / Output Circuits

FV-58N



FV-58P



Dimensions

unit: mm

