FS2-65

Fiber Amplifier, Cable Type, NPN

*Please note that accessories depicted in the image are for illustrative purposes only and may not be included with the product.

This model has been discontinued. Contact Us: 1-888-539-3623
Compliance with the certification standard is ensured as of the time of shipment from our company.

Recommended Replaceable Products: Digital Fiber Optic Sensor - FS-N40 series

Specifications

Model		FS2-65
Type		Trimmer : High-speed response
Light source		Red LED
Sensitivity adjustment		8-turn trimmer
Response time		50 µs
Operation mode		LIGHT-ON/DARK-ON (switch-selectable)
Indicator lamp		Output: Red LED Stable operation: Green LED
Timer function		ON-delay: 40 ms/OFF-delay: 40 ms/Timer OFF (switch-selectable)
External calibration input signal		—
Buzzer mode		Buzzer ON when control output turns ON/Buzzer ON when alarm output turns ON/Buzzer OFF (switch-selectable)
Output		NPN output
Control output		NPN open-collector 100 mA max. (40 V max.), Residual voltage 1 V max.
Stability output		NPN open-collector 50 mA max. (40 V max.), Residual voltage 1 V max.
Protection circuit		Reversed polarity protection, Overcurrent protection, Surge absorber
Rating	Power voltage	12 to 24 VDC ±10 %, Ripple (P-P) 10 % or less
	Current consumption	35 mA or less
Environmental resistance	Ambient light	Incandescent lamp: 10,000 lux max., Sunlight: 20,000 lux max.
	Ambient temperature	-10 to +55 °C 14 to 131 °F (No freezing)
	Relative humidity	35 to 85 % RH (No condensation)
	Vibration resistance	10 to 55 Hz, Double amplitude 1.5 mm 0.06", 2 hours in each of the X, Y, and Z directions
	Shock resistance	500 m/s², 3 times in each of the X, Y, and Z directions
Material		Polycarbonate
Weight		Approx. 61 g

Dimensions

* Download CAD file or product manual for larger image/text and more detail.

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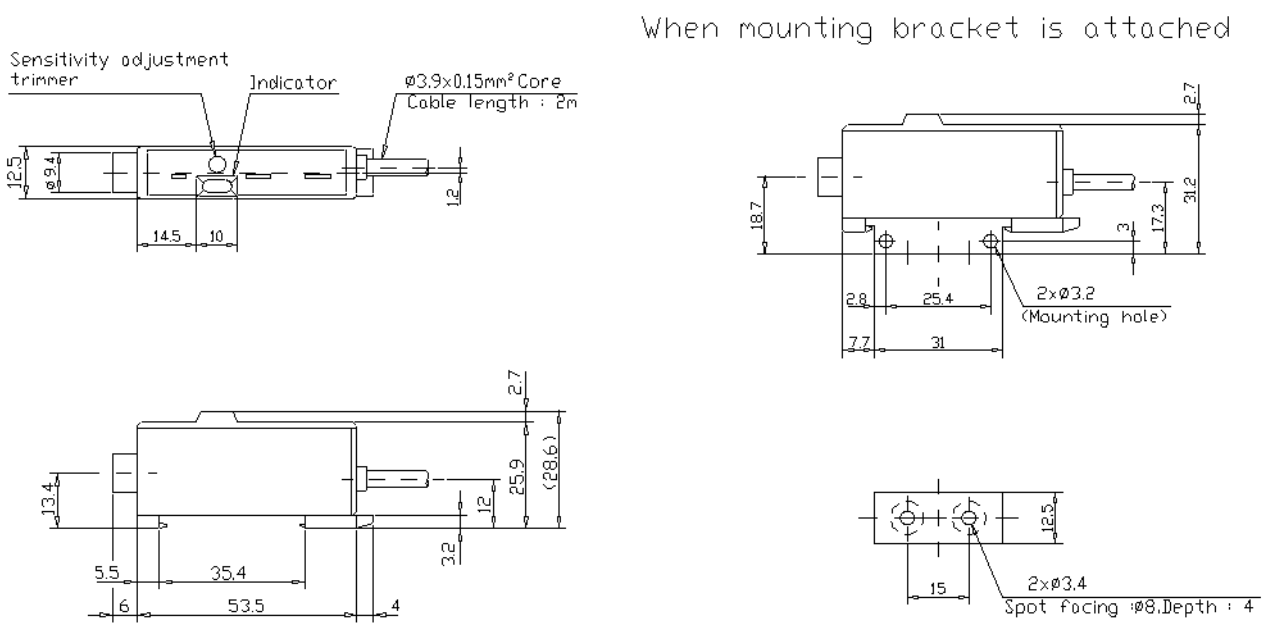

I/O Circuit Connection diagram

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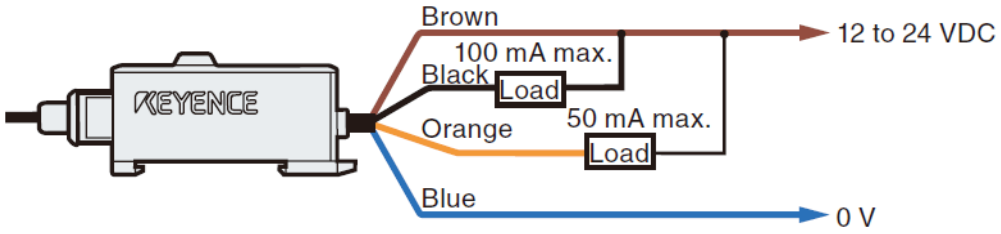
When driving the load directly (NPN output)



When connecting the fibre sensor to voltage input/output equipment (Low level when the output is on) (NPN output)