

PZ-101

Square Reflective Cable Type, NPN

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

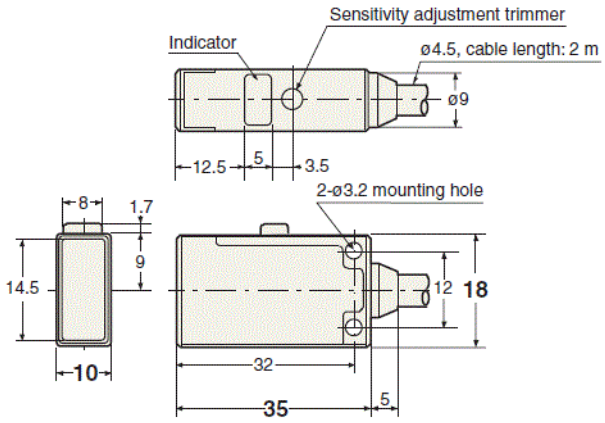
Specifications

Model		PZ-101
Type		Focused-beam
Detecting distance		0 to 100 mm 3.94"
Light source		Visible red LED
Spot diameter		Approx. 5 mm□ (when detecting distance is 50 mm), Approx. 7 mm□ (when detecting distance is 100 mm)
Detectable object		Transparent and opaque materials
Hysteresis		20% max. of detecting distance
Sensitivity adjustment		1-turn trimmer (240°)
Response time		1 ms max. (2 ms in alternate frequency mode)
Operation mode		LIGHT-ON/DARK-ON (selectable by wiring)
Indicator lamp		Output: Red LED, Stable operation: Green LED, Power supply: Red LED
Control output		NPN open-collector 100 mA max. (40 V max.)
Stability output		NPN: 50 mA (40 V) max.
Protection circuit		Reversed polarity, overcurrent protection
Rating	Power voltage	12 to 24 VDC ±10 %, Ripple (P-P) 10 % or less
	Current consumption	30 mA or less
Environmental resistance	Enclosure rating	IP67
	Ambient light	Incandescent lamp: 5,000 lux max., Sunlight: 20,000 lux max.
	Ambient temperature	-20 to +55 °C -4 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
Case material		Glass-fi ber reinforced plastic
Weight		Approx. 75 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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Input/Output CircuitsNPN

