



PZ2-42P

Square Reflective Cable Type, PNP

*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.
Compliance with the certification standard is ensured as of the time of shipment from our company.

Contact Us: 1-888-539-3623

Recommended Replaceable Products: [Rectangular Reflective Cable Type, PNP - PZ-G42P](#)

Specifications

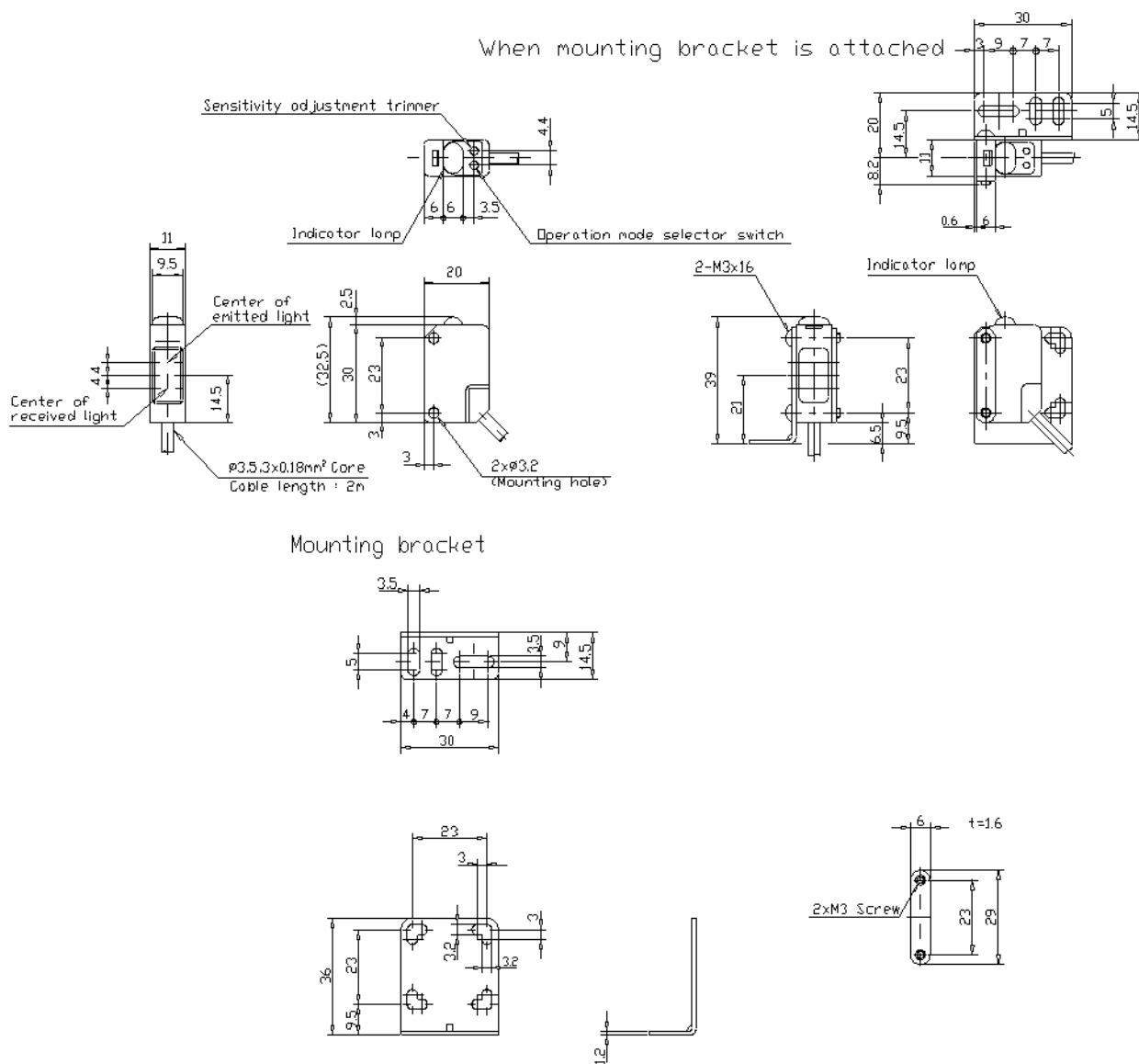
Model		PZ2-42P
Type		Diffuse-reflective Short-range
Detection distance		100 mm 3.94" (100 x 100 mm 3.94" x 3.94" white mat paper)
Light source		Red LED
Detectable object		Transparent and opaque
Hysteresis(of detecting distance)		20 % max.
Sensitivity adjustment		1-turn trimmer (240°)
Response time		1 ms max.
Operation mode		LIGHT-ON/DARK-ON (switch-selectable)
Indicator lamp		Output and power*1: Red LED, Stable operation: Green LED
Control output		NPN or PNP: 100 mA (40 V) max., Residual voltage: 1 V max.
Protection circuit		Reversed polarity, 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	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
	Shock resistance	1,000 m/s², 6 times in each of the X, Y, and Z directions
Case material		Glass-fiber reinforced plastic
Accessories		Mounting bracket x 1, Mounting screws x 2, Plate nut x 1
Weight		Approx. 50 g (including 2-m 6.6' connector cable)

*1 The power indicator is equipped with the PZ2-51 only.

Dimensions

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

PZ2-42



I/O Circuit Connection diagram

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

PNP(Receiver)

