



BP18Y Through-Beam Photoelectric Sensor 10m Range PNP IP67 Rated for Harsh Environments

Our Product Introduction

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Basic Information

- Place of Origin: Guangdong, China
- Brand Name: KRONZ
- Certification: CE
- Model Number: BP18Y-T10P
- Minimum Order Quantity: 1
- Price: Negotiable
- Packaging Details: Polybag packing
- Delivery Time: 5-8 working days
- Payment Terms: T/T, Western Union, MoneyGram
- Supply Ability: 10000 pieces per month

KRONZ



Product Specification

- Detection Distance: 50mm-1000mm
- Sensing Method: Through Beam Type
- Output Type: NPN & PNP (Open Collector), 24V DC, Max. 100mA
- Output Function: Light-On / Dark-On Selectable Via Control Wire
- Power Supply: 12-24 VDC $\pm 10\%$ (Class 2)
- Connection: 2-meter Cable
- Highlight: **through-beam photoelectric sensor 10m range, PNP photoelectric sensor IP67 rated, harsh environment photoelectric sensor PNP**

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More Images

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Product Description

BP18Y Photoelectric Sensor | 10m Range | PNP Output | IP67 Rated

Key Features

Long Range: Reliable detection up to 10 meters

Dual Output: Compatible with both NPN and PNP systems

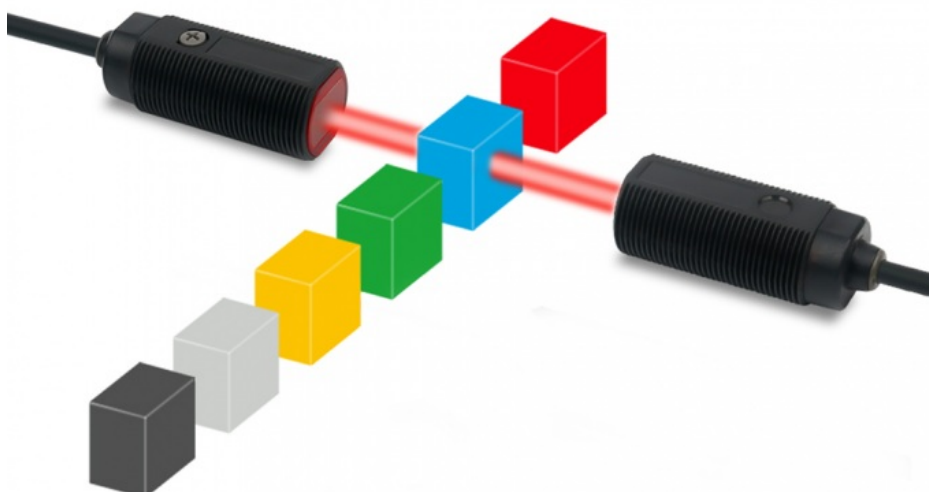
Fast Response: <1ms response time for high-speed applications

Rugged Design: IP67 protection with anti-interference and short-circuit protection

Easy Setup: Bright red beam and 2m cable for simple alignment

Feature	Speciication
Sensing Type	50mm - 10m
Part Number	BP18Y-T10P
Output Type	PNP signal output
Protection Rating	IP67
Connection	cable

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BP18Y Series

Cylindrical Photoelectric Sensor

- Compact design for easy installation
- Clear indicator for status monitoring
- Wide variety of models available
- Equipped with automatic anti-interference function



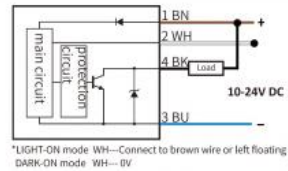
Technical Parameters

Type	Direct Diffuse	Diffuse-Transparent	Diffuse-Background	Retro-reflective	Through Beam
NPN	BP18Y-D500N	BP18Y-H150N	BP18Y-G100N	BP18Y-R3500N	BP18Y-T10N
PNP	BP18Y-D500P	BP18Y-H150P	BP18Y-G100P	BP18Y-R3500P	BP18Y-T10P
Detection Distance	10-500mm	10-150mm	20-100mm	30-3500mm	50mm-10m
Response Time	< 1ms				
Control Output	NPN&PNP: open collector output 24V, Max.100mA(only for main unit) residual voltage:1V				
Output Option	LIGHT-ON/DARK-ON configured via white control wire: Connect white wire to GND for DARK-ON; Connect to brown wire or leave open for LIGHT-ON				
Output Function	1 output pot, Short-Circuit Protection, Auto Anti-Interference Function				
Power	12 to 24VDC $\pm 10\%$, Ripple (P-P): Max. 10% (Class 2)				
Light Source	Red light 635nm, 4-element LED array				
Indicator	Green LED indicator indicates power, and red LED indicator indicates output				
Power Consumption	Standard Mode: Max. 300mW, Max. Voltage: 24V				
Ambient Light Level	Incandescent light: Max: 20,000lux, Sunlight: Max: 30,000lux				
Ambient Temperature	-10 to +55°C (non-freezing)				
Vibration resistance	10 to 55Hz, double amplitude: 1.5mm, 2 hours each for X, Y, Z axes				
Connection	Flying leads, 2m cable				

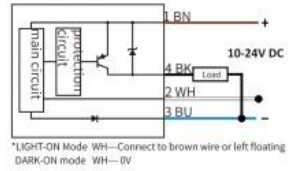


Circuit diagram

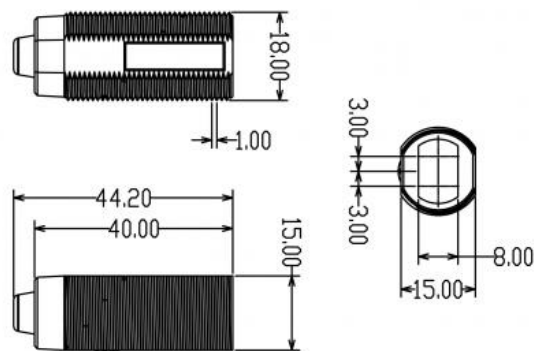
DC NPN output



DC PNP output



Dimension



Photoelectric Sensors



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