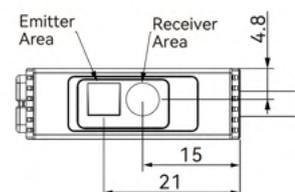
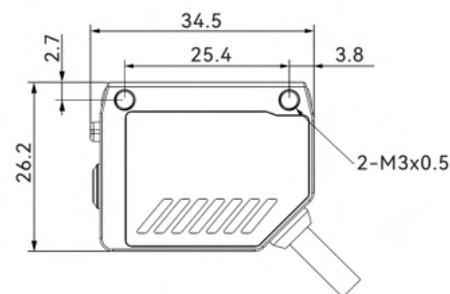


## ZX-TD0200N (NPN)

## ZX-TD0200P (PNP)



### DIMENSION



### BASIC FEATURES

Working Principle	TOF Principle
Housing Style	Square
Optical Working Principle	TOF ( Time of Flight )
Detection Range	100 – 2000 mm
Spot Size	< 5mm@2m
Detected Object	≥ ø 0.5mm opaque object
Light Source	Laser Diode 650nm
Indicator Light	Output Indicator Light : Orange Power Indicator Light : Green

### ELECTRICAL DATA

Sensitivity Adjustment	Button setting
Switching Mode	NC / NO switchable
Output mode	NPN / PNP collector open
Response Time	1 ms
Repeatability	< 10 mm
Switching Frequency	< 20 %
Operating Voltage	9 – 30VDC
Current Consumption	< 30mA@24V
Load Current	≤ 100 mA
Insulation Resistance	≥ 50 MΩ ( 500VDC )
Withstand Voltage	1000 VAC ( 50 / 60Hz )
Protection circuit	Reverse polarity protection / Short-circuit protection

### ENVIRONMENTAL CONDITIONS

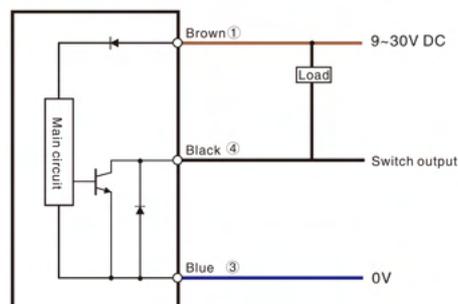
Operating Temperature	-20 ~ 55°C ( no freezing )
Operating Humidity	35% ~ 85% RH ( non-condensing )
Ambient Light	Incandescent Lamp ≤ 3000 Lux; Sunlight ≤ 10000 Lux
Vibration Resistance	10 ~ 55Hz, amplitude 1.5mm, 2 hours each in X/Y/Z axes

### MECHANICAL DATA

Maximum Tightening Torque	0.5 Nm
Connection Method	ø 4.0*2m / 3 Black cable
Dimensions	34.5 x 26.2 x 11 mm
Material	Housing : PC + ABS ; Lens : PMMA
Weight	50 g

### CIRCUIT DIAGRAM

#### NPN Output



#### PNP Output

