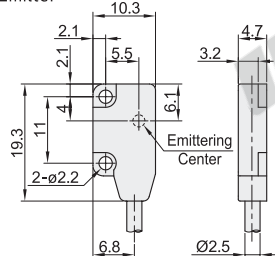


Code	Type	Detection Method
ZKJ40	Flat Type	Through-Beam / Diffuse-Reflective

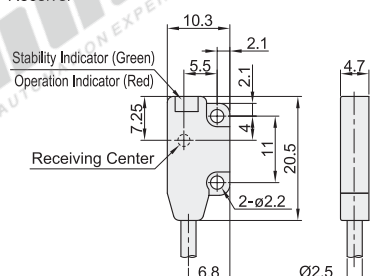
Features

- Ultra-thin and ultra-small specifications;
 - Flexible installation;
 - Clear and easy to see two-color indicator light.
- ① The light emitting-part and the light receiving-part are shipped as a set.

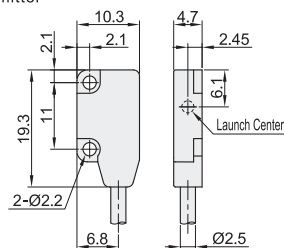
Through-Beam ZKJ40-D-N/P-01 Emitter



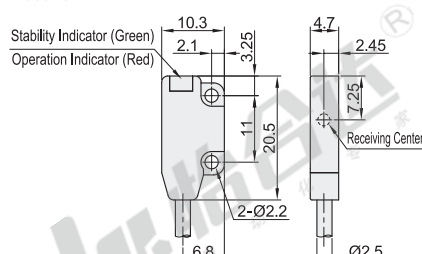
Receiver



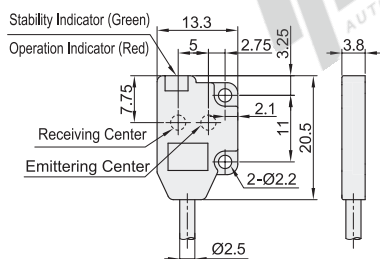
Through-Beam ZKJ40-D-N/P-02 Emitter



Receiver

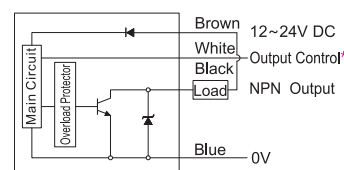


Diffuse-Reflective ZKJ40-M-N/P-01



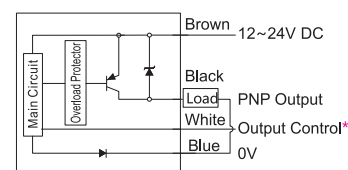
ZKJ40-M Circuit Diagram

NPN Output

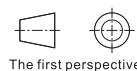


*Light-on Mode White ---NC (Floating)
Dark-on Mode White ---0V

PNP Output



*Light-on Mode White ---NC (Floating)
Dark-on Mode White ---0V



The first perspective

Part Number		Output Function	Detecting Surface	Detection Distance	Operation Voltage	Light	Wiring Method
Code	Detection Method						
ZKJ40	D(Through-Beam)	N(NPN)	01(Front Detection)	500mm	12~24V	Red Led	2m/3 Core Ø2.5 Cable
		P(PNP)	02(Side Detection)				
	M(Diffuse-Reflective)		01(Front Detection)	2~30mm			

Return Error Range	≤15%
Response Time	<1ms
Load Current	<25mA
Indicator Light	Action indicator light: red, operation indicator light: green
Protection Circuits	Output reverse polarity protection, short-circuit protection
IP Rating	IP66
Ambient Illumination	Sunlight≤10000Lux, incandescent lamp≤3000Lux
Ambient Temperature	-25~+55°C with no icing or condensation
Ambient Humidity	35%~85%RH with no condensation
Vibration Resistance	10~500Hz, 0.5mm double amplitude, 2 hours each in X, Y, Z direction
Shock Resistance	Acceleration 500m/s ² , 2 hours each in X, Y, Z direction
Material	ABS



Part Number	Output Function	Detecting Surface
Code	Detection Method	
ZKJ40	D(Through-Beam)	N(NPN)
		P(PNP)
	M(Diffuse-Reflective)	

ZKJ40 — D — N — 02