



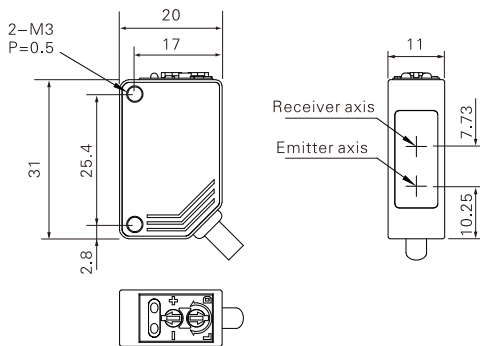
NEW!

Appearance

Sensing type		Diffuse reflection		Convergent reflective	
Sensing distance		30cm		100cm	
Output type		NPN/PNP Open–collector			
Switch type		Selectable L.on/D.on			
Response time		< 1ms			
Light source		Infrared light LED(940nm modulation)			
Operating voltage		10~30V DC			
No-load supply current		≦20mA			
Load current		≦100mA(24V DC)			
Ambient temperature		-20℃~+55℃, No freezing			
Ambient humidity		35%~85% RH, No condensation			
Protective circuit		Power reverse polarity,output reverse polarity,surge,short circuit			
Degree of protection		IP65			
Material		PBT+Fiberglass (Housing) , PMMA (Lens)			
Connection method		2M 3core cable			
Weight		≈ 50g			
Accessories		Screwdriver			
Model No.	NPN	PTV-D30N HOT		PTV-D70N	
	PNP	PTV-D30P		PTV-D70P	

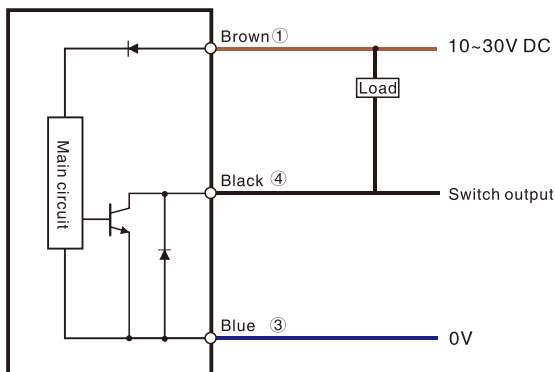
Dimensions

Unit: mm

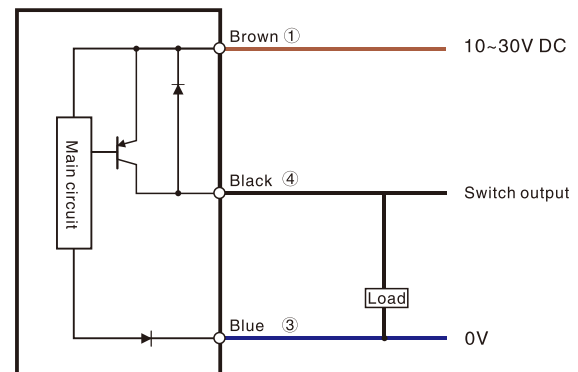


Circuit diagram

NPN Output



PNP Output



Fiber Optic
Slot Sensors
Photoelectric
Laser
Proximity
Displacement
Magnetic
Contact
Area
Ultrasonic
Vision
Vibration
Temperature
Annexes

Guidance

Photoelectric

Cylindrical
Square
Flat type
Thin type
BGS
Transparent detection
Color/Mark Detection
TOF reflective
IP69K high protection type
Anti-glare type

Reflectors

Reflectors

Square

PTV Series



NEW!

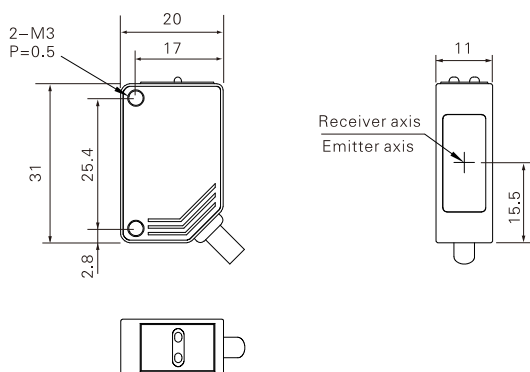
Appearance

Sensing type		Thru-beam			
Sensing distance		20m(fixed)		20m	5m
Output type		NPN/PNP Open-collector			
Switch type		Selectable L.on/D.on, Model optional		Selectable L.on/D.on	
Response time		< 5ms			
Light source		Infrared light LED(940nm modulation)			
Operating voltage		10~30V DC			
No-load supply current		Transmitter end: ≤20mA; Receiving end: ≤20mA			
Load current		≤100mA(24V DC)			
Ambient temperature		-20℃~+55℃, No freezing			
Ambient humidity		35%~85%RH, No condensation			
Protective circuit		Power reverse polarity,output reverse polarity,surge,short circuit			
Degree of protection		IP65			
Material		PBT+Fiberglass (Housing) , PMMA (Lens)			
Connection method		2M 3core cable			
Weight		≈50g			
Accessories		Screwdriver			
Model No.	NPN	PTV-TM20NO	PTV-TM20NC	PTV-TM20AN	PTV-T500N
	PNP	PTV-TM20PO	PTV-TM20PC	PTV-TM20AP	PTV-T500P

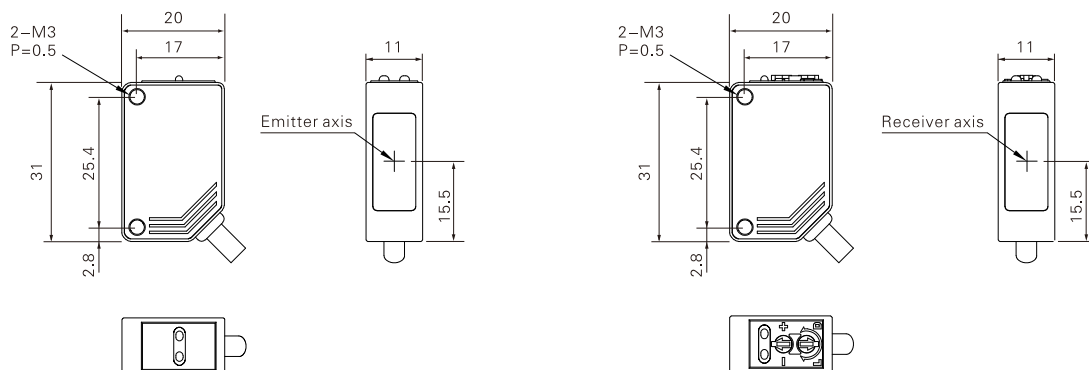
Dimensions

Unit: mm

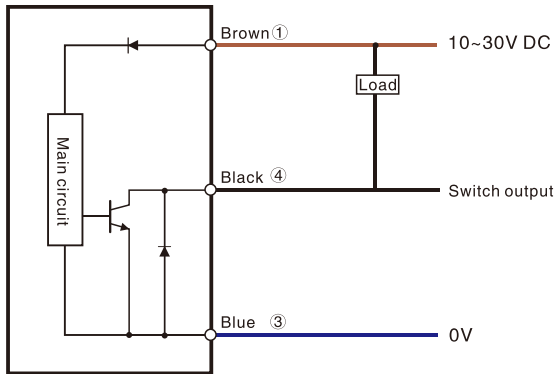
PTV-TM20NO/PO/NC/PC



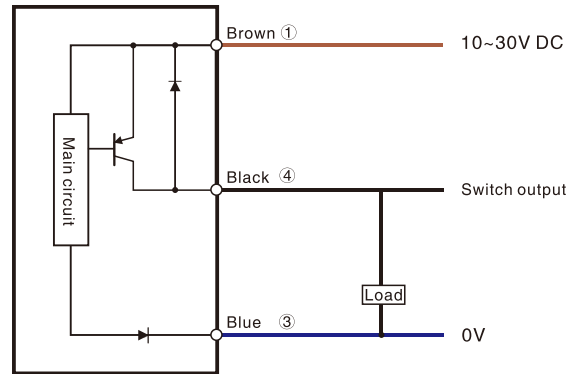
PTV-TM20AN/AP、PTV-T500N/P



NPN Output



PNP Output



- Fiber Optic
- Slot Sensors
- Photoelectric
- Laser
- Proximity
- Displacement
- Magnetic
- Contact
- Area
- Ultrasonic
- Vision
- Vibration
- Temperature
- Annexes

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Flat type

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Transparent detection

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