

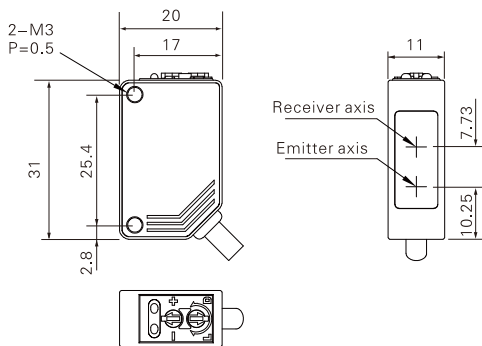


Appearance

Sensing type		Diffuse reflection		Convergent reflective	
Sensing distance		10–300mm		5–1000mm	
Output type		NPN/PNP Open–collector			
Switch type		Selectable L.on/D.on			
Response time		< 1ms			
Light source		Infrared LED(940nm modulation)			
Operating voltage		10~30V DC			
No-load supply current		< 25mA			
Load current		< 100mA			
Ambient temperature		–25℃~+55℃, No freezing			
Ambient humidity		35% ~85% RH, No condensation			
Circuit protection		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	

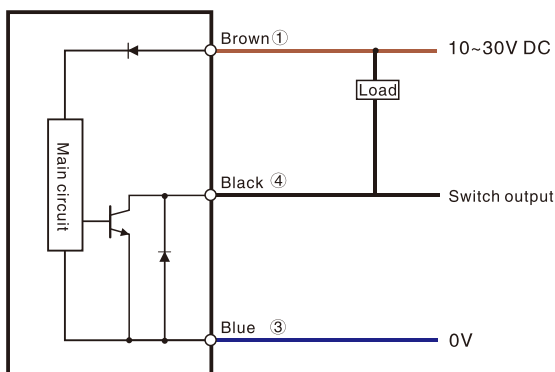
Dimensions

Unit: mm

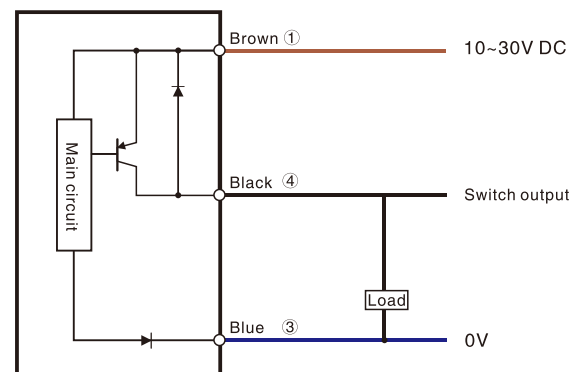


Circuit diagram

NPN Output



PNP Output



Fiber Optic
Slot Sensors
Photoelectric
Laser
Proximity
Displacement
Magnetic
Contact
Area
Ultrasonic
Vision
Code Readers
Vibration
Temperature
Accessories

Guidance

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

Reflectors

Reflectors

Square

PTV Series



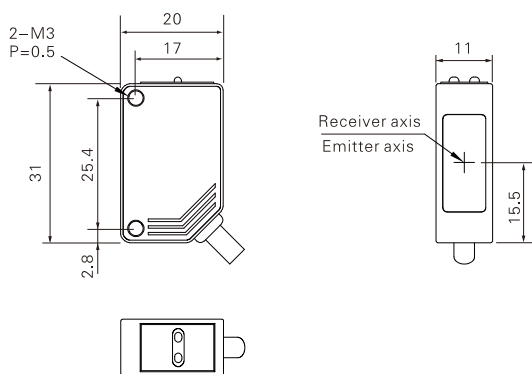
Appearance

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 LED(940nm modulation)			
Operating voltage		10~30V DC			
No-load supply current		Transmitter: <20mA; Receiver end: <20mA			
Load current		<100mA			
Ambient temperature		-25℃~+55℃, No freezing			
Ambient humidity		35%~85%RH, No condensation			
Circuit protection		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

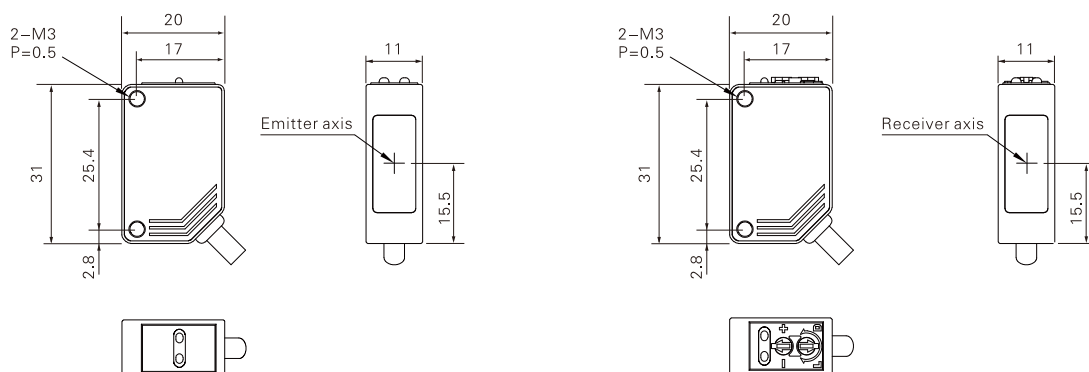
Dimensions

Unit: mm

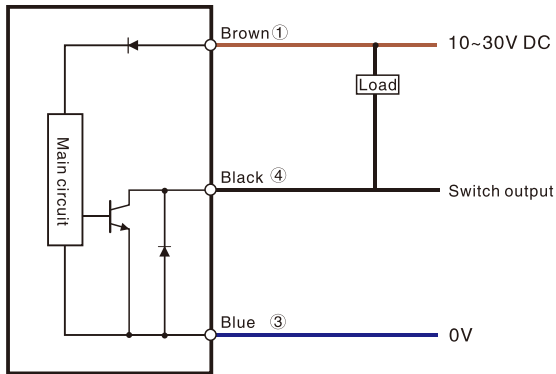
PTV-TM20NO/PO/NC/PC



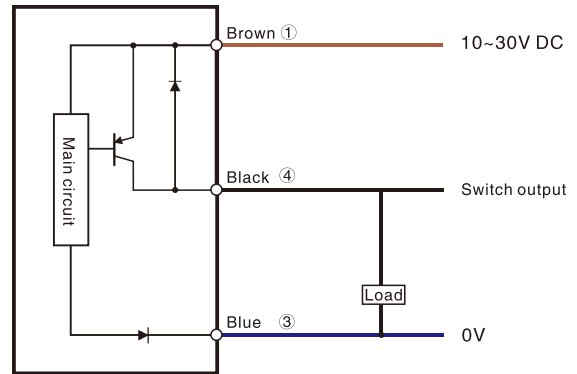
PTV-TM20AN/AP、PTV-T500N/P



NPN Output



PNP Output



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

Guidance

Photoelectric

Cylindrical

Square

Flat type

Thin type

BGS

Transparent detection

Color/Mark Detection

TOF type

IP69K high protection type

Anti-glare type

IO-Link type

Reflectors

Reflectors