

TOF Principle



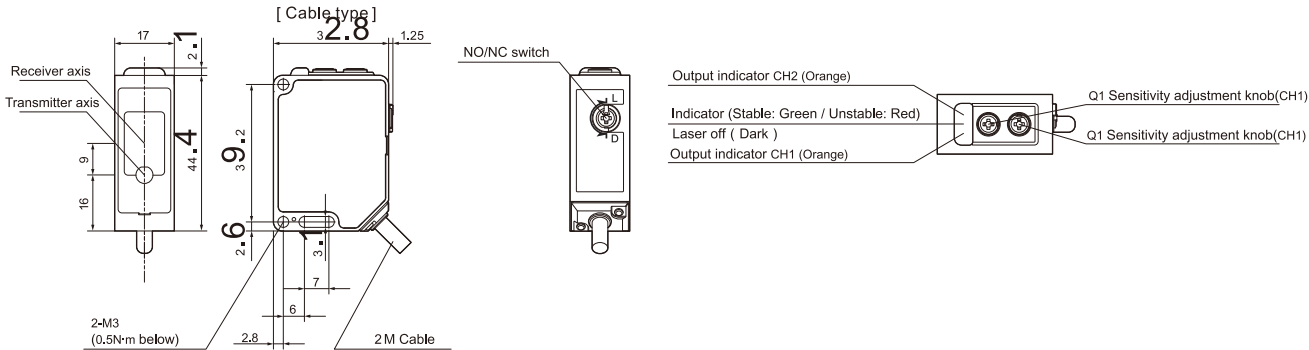
Appearance

Type	Long distance	
Sensing type	Diffuse reflection	
Sensing distance	0~4.5m	
Beam size	About 17mm (4.5m away)	
Switch type	Selectable L.on/D.on	
Indicator	Output indicator: Orange; Laser indicator: Green	
Response time	≤0.5ms	
Sensitivity adjustment	Four-turn potentiometer	
Light source	Laser(650nm)	
Laser class	Class1	
Operating voltage	10~30V DC ± 10%	
Current consumption	≤85mA	
Ambient temperature	-10℃~+50℃, No freezing	
Ambient humidity	35%~85% RH, No condensation	
Impact resistance	50G(500m/s2)	
Degree of protection	IP67	
Material	Housing: ABS+ fiber glass; Lens PMM	
Model No.	NPN	XELT-S450N
	PNP	XELT-S450P

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

Dimensions

Unit: mm



Guidance

Laser sensors

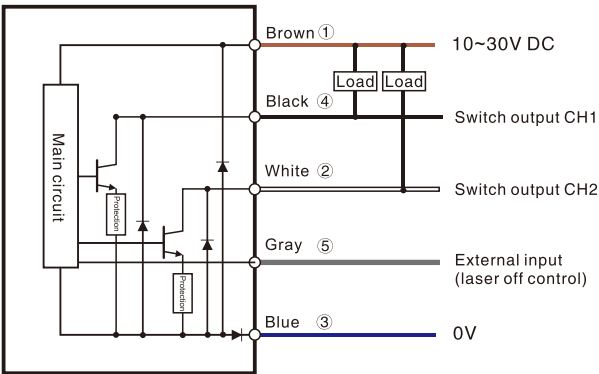
Square

BGS

Transparent objects detection

Circuit diagram

NPN Output



PNP Output

