

## Metal cylindrical shape photoelectric sensors PR18 series



### Features

- ◆ Through beam reflection working principle;
- ◆ Excellent anti-interference performance
- ◆ High detection accuracy



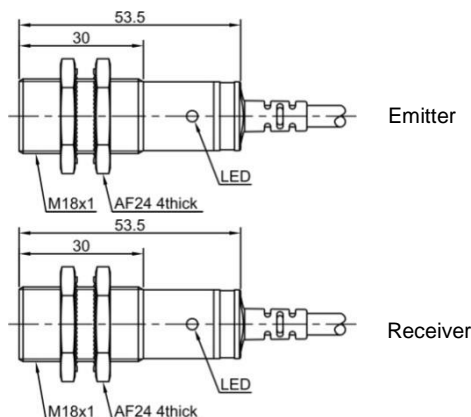
### Part number

		Emitter		Receiver	
NPN	NO	PR18-TM10D	PR18-TM10DNO	PNP	NO
NPN	NC	PR18-TM10D	PR18-TM10DNC	PNP	NC
NPN	NO+NC	PR18-TM10D	PR18-TM10DNR	PNP	NO+NC

### Technical specifications

Detection type	Through beam	Consumption current	≤25mA
Rated distance [Sn]	10m (non-adjustable)	Circuit protection	Short-circuit and reverse polarity
Standard target	>φ15mm opaque object	Response time	< 8.2ms
Light source	Infrared LED (880nm)	Output indicator	Emitter: Green LED Receiver: Yellow LED
Dimensions	M18*53.5mm	Ambient temperature	-15°C...+55°C
Output	NO/NC (depends on receiver)	Ambient humidity	35-85%RH (non-condensing)
Supply voltage	10...30 VDC	Voltage withstand	1000V/AC 50/60Hz 60s
Min target	.....	Insulation resistance	≥50MΩ(500VDC)
Hysteresis range [%/Sr]	.....	Vibration resistance	10...50Hz (0.5mm)
Repeat accuracy [R]	≤5%	Degree of protection	IP67
Load current	≤200mA (receiver)	Housing material	Nickel-copper alloy
Residual voltage	≤2.5V (receiver)	Connection type	2m PVC cable

### Dimensions



### Wiring diagram

