

Metal cylindrical shape photoelectric sensors PR18G series



Features

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



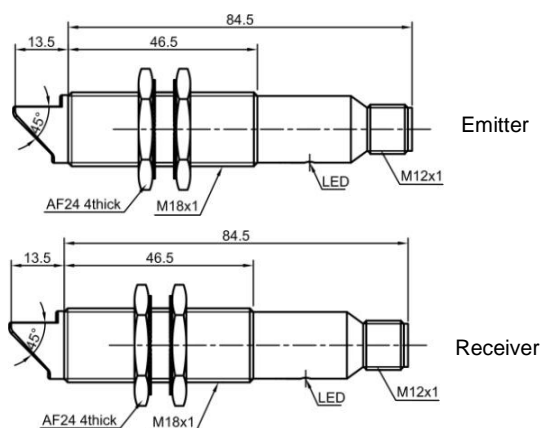
Part number

| | | Emitter | Receiver | | | Emitter | Receiver |
|------------|----|----------------|------------------|------------|----|----------------|------------------|
| AC 2 wires | NO | PR18G-TM10A-E2 | PR18G-TM10ATO-E2 | AC 2 wires | NC | PR18G-TM10A-E2 | PR18G-TM10ATC-E2 |

Technical specifications

| | | | |
|-------------------------|-----------------------------|-----------------------|---|
| Detection type | Through beam | Consumption current | ≤3mA |
| Rated distance [Sn] | 10m (non-adjustable) | Circuit protection | |
| Standard target | >φ15mm opaque object | Response time | < 50ms |
| Light source | Infrared LED (880nm) | Output indicator | Emitter: Green LED Receiver: Yellow LED |
| Dimensions | M18*98mm | Ambient temperature | -15°C...+55°C |
| Output | NO/NC (depends on receiver) | Ambient humidity | 35-85%RH (non-condensing) |
| Supply voltage | 20...250 VAC | Voltage withstand | 2000V/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 | IP65 |
| Load current | ≤300mA (receiver) | Housing material | Nickel-copper alloy |
| Residual voltage | ≤10V (receiver) | Connection type | M12 Connector |

Dimensions



Wiring diagram

