



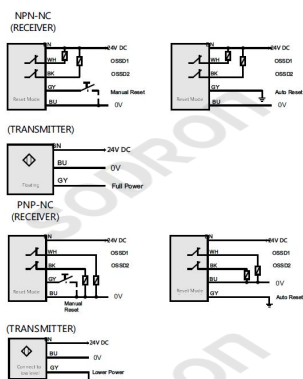
Model

PS-20R/T-10ANC-xE
PS-20R/T-10APC-xE

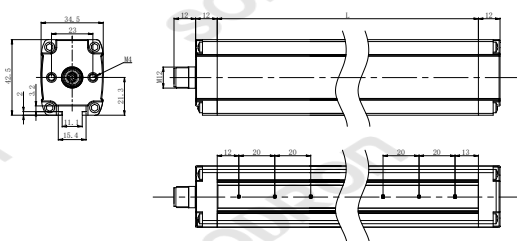
Product Features

- Through-beam type, infrared light 850nm
- Chip control, fast response, high frequency
- IEC IP65

Connection



PS-20 Dimension



| Number of optical axis | 8 | 12 | 16 | 20 | 24 | 28 | 32 | 36 | 40 | 44 | 48 | 52 | 56 | 60 | 64 |
|------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|
| Sensing Area | 166 | 246 | 326 | 406 | 486 | 566 | 646 | 726 | 806 | 886 | 966 | 1046 | 1126 | 1206 | 1286 |

Technical Parameters

| | | |
|--|---|--------|
| Beam Spacing | 20mm | |
| Minimum Detectable Object | Opaque object ≥ 30 mm | |
| Detection Distance | 0.1~10mm | |
| Output Method | 2*NPN, 2*PNP | |
| Light Source | Infrared light 850nm | |
| Safety-related Characteristic Parameters | Type | Type 2 |
| | Safety Integrity Level | SIL 2 |
| | Performance Level | PL d |
| Operating Voltage | 24VDC $\pm 20\%$ | |
| Maximum Output Current | 250mA Max | |
| Power Consumption | Transmitter: 2W, Receiver: 3W | |
| Reset | Manual/Auto selectable | |
| Circuit Protection | Power polarity protection, output short circuit protection, output overload protection | |
| Indicator Lights | Power indicator: Green LED Operation indicator: Red LED Digital display: Diagnostic display, stable display | |
| Connection Method | Wire lead type (standard 5m), M12 connector | |
| Ambient Temperature | Work: $-10^{\circ}\text{C} \sim +55^{\circ}\text{C}$ (no condensation, no icing) Storage: $-25^{\circ}\text{C} \sim +70^{\circ}\text{C}$ (no condensation, no icing) | |
| Ambient Humidity | Work: 35~85%RH (no condensation) Storage: 35-95%RH (no condensation) | |
| Light Immunity | Incandescent lamp: Illumination $\leq 5,000\text{Lx}$ | |
| Withstand Voltage | AC 1000V, 50/60Hz for 1 minute between live parts and enclosure | |
| Insulation Resistance | $\geq 20\text{M}\Omega$ (with DC500V megohmmeter) between live parts and enclosure | |
| Vibration Resistance | Endurance: 10~55Hz, double amplitude 1.5mm, X, Y, Z directions for 2 hours each | |
| Protection Class | IEC IP65 | |
| Mounting Method | Mounting holes on end caps | |
| Material | Housing: Aluminum alloy (yellow), Light cover: PMMA, End caps: Engineering plastic | |