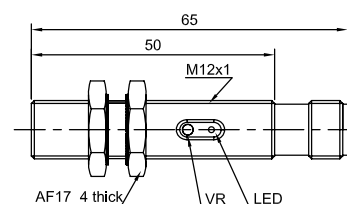
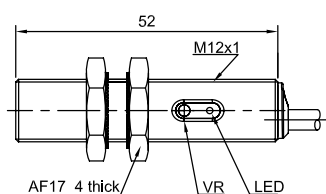


Item Code	PR12	PR12
Sensing mode	Diffuse reflection	Diffuse reflection
Sensing distance	15cm (Adjustable)	15cm (Adjustable)



Output	NPN NO	PR12-BC15DNO	PR12-BC15DNO-E2
	NPN NC	PR12-BC15DNC	PR12-BC15DNC-E2
Output	PNP NO	PR12-BC15DPO	PR12-BC15DPO-E2
	PNP NC	PR12-BC15DPC	PR12-BC15DPC-E2

Technical Parameter			
Supply voltage	10...30 VDC	10...30 VDC	
Light source	Infrared LED (880nm)	Infrared LED (880nm)	
Load current	<200mA	<200mA	
Voltage drop	<2.5V	<2.5V	
Consumption current	<25mA	<25mA	
Hysteresis	3...20%	3...20%	
Repeat accuracy	<5%	<5%	
Response time	< 8.2ms	< 8.2ms	
Output indicator	Yellow LED	Yellow LED	
Polarity protection	yes	yes	
Surge protection	yes	yes	
Short-circuit protection	yes	yes	
Ambient temperature	-15...+55°C	-15...+55°C	
Ambient moisture	35...95%	35...95%	
Protection degree	IP67	IP67	
Housing material	Nickel-copper Alloy	Nickel-copper Alloy	
Connection	2m PVC Cable	M12 Connector	
Certification	CE UL	CE UL	

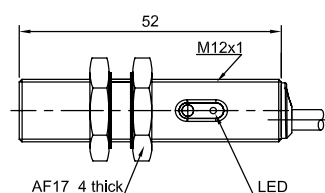
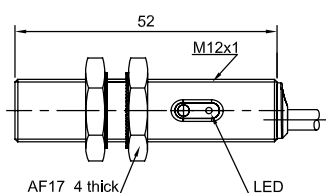


Item Code	PR12		PR12	
Sensing mode	Through beam(Emitter)	Through beam(Receiver)	Through beam(Emitter)	Through beam(Receiver)
Sensing distance	5m (Non-adjustable)	5m (Non-adjustable)	10m (Non-adjustable)	10m (Non-adjustable)



Output	NPN NO	PR12-TM5D	PR12-TM5DNO	PR12-TM10D	PR12-TM10DNO
	NPN NC	PR12-TM5D	PR12-TM5DNC	PR12-TM10D	PR12-TM10DNC
Output	PNP NO	PR12-TM5D	PR12-TM5DPO	PR12-TM10D	PR12-TM10DPO
	PNP NC	PR12-TM5D	PR12-TM5DPC	PR12-TM10D	PR12-TM10DPC

Technical Parameter				
Supply voltage	10...30 VDC	10...30 VDC	10...30 VDC	10...30 VDC
Light source	Infrared LED (880nm)	Infrared LED (880nm)	Infrared LED (880nm)	Infrared LED (880nm)
Load current	...	<200mA	...	<200mA
Voltage drop	...	<2.5V	...	<2.5V
Consumption current	<25mA	<25mA	<25mA	<25mA
Hysteresis	...	...	...	...
Repeat accuracy	<5%	<5%	<5%	<5%
Response time	...	<8.2ms	...	<8.2ms
Output indicator	Green LED	Yellow LED	Green LED	Yellow LED
Polarity protection	yes	yes	yes	yes
Surge protection	yes	yes	yes	yes
Short-circuit protection	...	yes	...	yes
Ambient temperature	-15...+55°C	-15...+55°C	-15...+55°C	-15...+55°C
Ambient moisture	35...95%	35...95%	35...95%	35...95%
Protection degree	IP67	IP67	IP67	IP67
Housing material	Nickel-copper Alloy	Nickel-copper Alloy	Nickel-copper Alloy	Nickel-copper Alloy
Connection	2m PVC Cable	2m PVC Cable	2m PVC Cable	2m PVC Cable
Certification	CE U _L	CE U _L	CE U _L	CE U _L

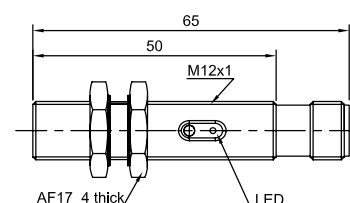
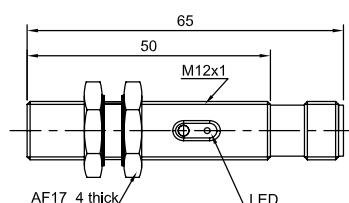


Item Code	PR12		PR12	
Sensing mode	Through beam(Emitter)	Through beam(Receiver)	Through beam(Emitter)	Through beam(Receiver)
Sensing distance	5m (Non-adjustable)	5m (Non-adjustable)	10m (Non-adjustable)	10m (Non-adjustable)



Output	NPN NO	PR12-TM5D-E2	PR12-TM5DNO-E2	PR12-TM10D-E2	PR12-TM10DNO-E2
	NPN NC	PR12-TM5D-E2	PR12-TM5DNC-E2	PR12-TM10D-E2	PR12-TM10DNC-E2
Output	PNP NO	PR12-TM5D-E2	PR12-TM5DPO-E2	PR12-TM10D-E2	PR12-TM10DPO-E2
	PNP NC	PR12-TM5D-E2	PR12-TM5DPC-E2	PR12-TM10D-E2	PR12-TM10DPC-E2

Technical Parameter				
Supply voltage	10...30 VDC	10...30 VDC	10...30 VDC	10...30 VDC
Light source	Infrared LED (880nm)	Infrared LED (880nm)	Infrared LED (880nm)	Infrared LED (880nm)
Load current	...	<200mA	...	<200mA
Voltage drop	...	<2.5V	...	<2.5V
Consumption current	<25mA	<25mA	<25mA	<25mA
Hysteresis	...	...	...	...
Repeat accuracy	<5%	<5%	<5%	<5%
Response time	...	<8.2ms	...	<8.2ms
Output indicator	Green LED	Yellow LED	Green LED	Yellow LED
Polarity protection	yes	yes	yes	yes
Surge protection	yes	yes	yes	yes
Short-circuit protection	...	yes	...	yes
Ambient temperature	-15...+55°C	-15...+55°C	-15...+55°C	-15...+55°C
Ambient moisture	35...95%	35...95%	35...95%	35...95%
Protection degree	IP67	IP67	IP67	IP67
Housing material	Nickel-copper Alloy	Nickel-copper Alloy	Nickel-copper Alloy	Nickel-copper Alloy
Connection	M12 Connector	M12 Connector	M12 Connector	M12 Connector
Certification	CE U _L	CE U _L	CE U _L	CE U _L

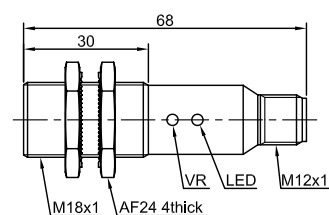
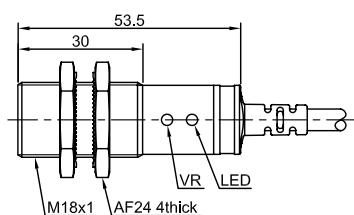


Item Code	PR18		PR18	
Sensing mode	Diffuse reflection		Diffuse reflection	
Sensing distance	10cm (Non-adjustable)	40cm (Adjustable)	10cm (Non-adjustable)	40cm (Adjustable)



Output	NPN NO	PR18-BC10DNO	PR18-BC40DNO	PR18-BC10DNO-E2	PR18-BC40DNO-E2
	NPN NC	PR18-BC10DNC	PR18-BC40DNC	PR18-BC10DNC-E2	PR18-BC40DNC-E2
	NPN NO+NC	PR18-BC10DNR	PR18-BC40DNR	PR18-BC10DNR-E2	PR18-BC40DNR-E2
Output	PNP NO	PR18-BC10DPO	PR18-BC40DPO	PR18-BC10DPO-E2	PR18-BC40DPO-E2
	PNP NC	PR18-BC10DPC	PR18-BC40DPC	PR18-BC10DPC-E2	PR18-BC40DPC-E2
	PNP NO+NC	PR18-BC10DPR	PR18-BC40DPR	PR18-BC10DPR-E2	PR18-BC40DPR-E2

Technical Parameter				
Supply voltage	10...30 VDC	10...30 VDC	10...30 VDC	10...30 VDC
Light source	Infrared LED (880nm)	Infrared LED (880nm)	Infrared LED (880nm)	Infrared LED (880nm)
Load current	<200mA	<200mA	<200mA	<200mA
Voltage drop	<2.5V	<2.5V	<2.5V	<2.5V
Consumption current	<25mA	<25mA	<25mA	<25mA
Hysteresis	3...20%	3...20%	3...20%	3...20%
Repeat accuracy	<5%	<5%	<5%	<5%
Response time	<8.2ms	<8.2ms	<8.2ms	<8.2ms
Output indicator	Yellow LED	Yellow LED	Yellow LED	Yellow LED
Polarity protection	yes	yes	yes	yes
Surge protection	yes	yes	yes	yes
Short-circuit protection	yes	yes	yes	yes
Ambient temperature	-15...+55°C	-15...+55°C	-15...+55°C	-15...+55°C
Ambient moisture	35...95%	35...95%	35...95%	35...95%
Protection degree	IP67	IP67	IP67	IP67
Housing material	Nickel-copper Alloy	Nickel-copper Alloy	Nickel-copper Alloy	Nickel-copper Alloy
Connection	2m PVC Cable	2m PVC Cable	M12 Connector	M12 Connector
Certification	CE U _L	CE U _L	CE U _L	CE U _L



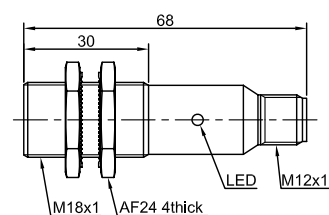
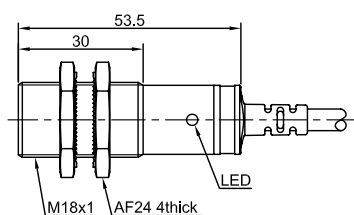
Item Code	PR18	PR18
Sensing mode	Retro reflection	Retro reflection
Sensing distance	3m (Non-adjustable)	3m (Non-adjustable)



Output	NPN NO	PR18-DM3DNO		PR18-DM3DNO-E2	
	NPN NC	PR18-DM3DNC		PR18-DM3DNC-E2	
	NPN NO+NC	PR18-DM3DNR		PR18-DM3DNR-E2	
Output	PNP NO	PR18-DM3DPO		PR18-DM3DPO-E2	
	PNP NC	PR18-DM3DPC		PR18-DM3DPC-E2	
	PNP NO+NC	PR18-DM3DPR		PR18-DM3DPR-E2	

Technical Parameter

Supply voltage	10...30 VDC	10...30 VDC
Light source	Infrared LED (880nm)	Infrared LED (880nm)
Load current	<200mA	<200mA
Voltage drop	<2.5V	<2.5V
Consumption current	<25mA	<25mA
Hysteresis	...	...
Repeat accuracy	<5%	<5%
Response time	<8.2ms	<8.2ms
Output indicator	Yellow LED	Yellow LED
Polarity protection	yes	yes
Surge protection	yes	yes
Short-circuit protection	yes	yes
Ambient temperature	-15...+55°C	-15...+55°C
Ambient moisture	35...95%	35...95%
Protection degree	IP67	IP67
Housing material	Nickel-copper Alloy	Nickel-copper Alloy
Connection	2m PVC Cable	M12 Connector
Certification	CE UL	CE UL

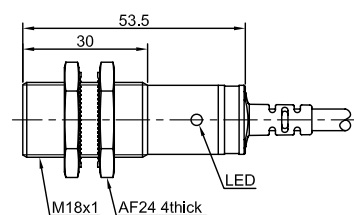
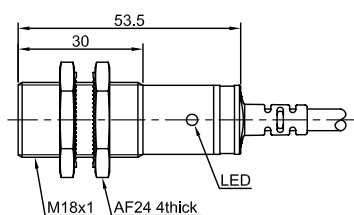


Item Code	PR18		PR18	
Sensing mode	Through beam(Emitter)	Through beam(Receiver)	Through beam(Emitter)	Through beam(Receiver)
Sensing distance	10m (Non-adjustable)	10m (Non-adjustable)	20m (Non-adjustable)	20m (Non-adjustable)



Output	NPN NO	PR18-TM10D	PR18-TM10DNO	PR18-TM20D	PR18-TM20DNO
	NPN NC	PR18-TM10D	PR18-TM10DNC	PR18-TM20D	PR18-TM20DNC
	NPN NO+NC	PR18-TM10D	PR18-TM10DNR	PR18-TM20D	PR18-TM20DNR
Output	PNP NO	PR18-TM10D	PR18-TM10DPO	PR18-TM20D	PR18-TM20DPO
	PNP NC	PR18-TM10D	PR18-TM10DPC	PR18-TM20D	PR18-TM20DPC
	PNP NO+NC	PR18-TM10D	PR18-TM10DPR	PR18-TM20D	PR18-TM20DPR

Technical Parameter				
Supply voltage	10...30 VDC	10...30 VDC	10...30 VDC	10...30 VDC
Light source	Infrared LED (880nm)	Infrared LED (880nm)	Infrared LED (880nm)	Infrared LED (880nm)
Load current	...	<200mA	...	<200mA
Voltage drop	...	<2.5V	...	<2.5V
Consumption current	<25mA	<25mA	<25mA	<25mA
Hysteresis	...	...	...	...
Repeat accuracy	<5%	<5%	<5%	<5%
Response time	...	<8.2ms	...	<8.2ms
Output indicator	Green LED	Yellow LED	Green LED	Yellow LED
Polarity protection	yes	yes	yes	yes
Surge protection	yes	yes	yes	yes
Short-circuit protection	...	yes	...	yes
Ambient temperature	-15...+55°C	-15...+55°C	-15...+55°C	-15...+55°C
Ambient moisture	35...95%	35...95%	35...95%	35...95%
Protection degree	IP67	IP67	IP67	IP67
Housing material	Nickel-copper Alloy	Nickel-copper Alloy	Nickel-copper Alloy	Nickel-copper Alloy
Connection	2m PVC Cable	2m PVC Cable	2m PVC Cable	2m PVC Cable
Certification	CE U _L	CE U _L	CE U _L	CE U _L

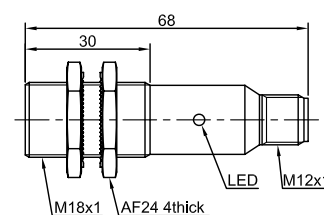
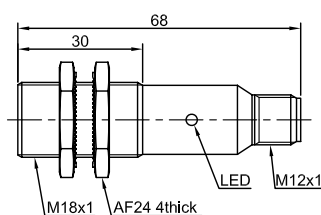


Item Code	PR18		PR18	
Sensing mode	Through beam(Emitter)	Through beam(Receiver)	Through beam(Emitter)	Through beam(Receiver)
Sensing distance	10m (Non-adjustable)	10m (Non-adjustable)	20m (Non-adjustable)	20m (Non-adjustable)



Output	NPN NO	PR18-TM10D-E2	PR18-TM10DNO-E2	PR18-TM20D-E2	PR18-TM20DNO-E2
	NPN NC	PR18-TM10D-E2	PR18-TM10DNC-E2	PR18-TM20D-E2	PR18-TM20DNC-E2
	NPN NO+NC	PR18-TM10D-E2	PR18-TM10DNR-E2	PR18-TM20D-E2	PR18-TM20DNR-E2
Output	PNP NO	PR18-TM10D-E2	PR18-TM10DPO-E2	PR18-TM20D-E2	PR18-TM20DPO-E2
	PNP NC	PR18-TM10D-E2	PR18-TM10DPC-E2	PR18-TM20D-E2	PR18-TM20DPC-E2
	PNP NO+NC	PR18-TM10D-E2	PR18-TM10DPR-E2	PR18-TM20D-E2	PR18-TM20DPR-E2

Technical Parameter				
Supply voltage	10...30 VDC	10...30 VDC	10...30 VDC	10...30 VDC
Light source	Infrared LED (880nm)	Infrared LED (880nm)	Infrared LED (880nm)	Infrared LED (880nm)
Load current	...	<200mA	...	<200mA
Voltage drop	...	<2.5V	...	<2.5V
Consumption current	<25mA	<25mA	<25mA	<25mA
Hysteresis	...	...	...	...
Repeat accuracy	<5%	<5%	<5%	<5%
Response time	...	< 8.2ms	...	< 8.2ms
Output indicator	Green LED	Yellow LED	Green LED	Yellow LED
Polarity protection	yes	yes	yes	yes
Surge protection	yes	yes	yes	yes
Short-circuit protection	...	yes	...	yes
Ambient temperature	-15...+55°C	-15...+55°C	-15...+55°C	-15...+55°C
Ambient moisture	35...95%	35...95%	35...95%	35...95%
Protection degree	IP67	IP67	IP67	IP67
Housing material	Nickel-copper Alloy	Nickel-copper Alloy	Nickel-copper Alloy	Nickel-copper Alloy
Connection	M12 Connector	M12 Connector	M12 Connector	M12 Connector
Certification	CE U _L	CE U _L	CE U _L	CE U _L

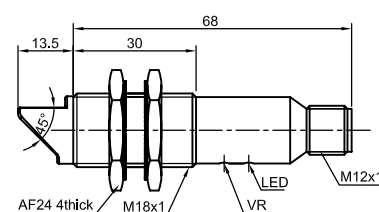
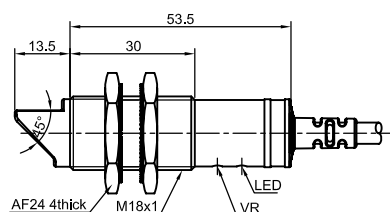


Item Code	PR18G		PR18G	
Sensing mode	Diffuse reflection		Diffuse reflection	
Sensing distance	10cm (Non-adjustable)	40cm (Adjustable)	10cm (Non-adjustable)	40cm (Adjustable)



Output	NPN NO	PR18G-BC10D	PR18G-BC40DNO	PR18G-BC10D-E2	PR18G-BC40DNO-E2
	NPN NC	PR18G-BC10D	PR18G-BC40DNC	PR18G-BC10D-E2	PR18G-BC40DNC-E2
	NPN NO+NC	PR18G-BC10D	PR18G-BC40DNR	PR18G-BC10D-E2	PR18G-BC40DNR-E2
Output	PNP NO	PR18G-BC10D	PR18G-BC40DPO	PR18G-BC10D-E2	PR18G-BC40DPO-E2
	PNP NC	PR18G-BC10D	PR18G-BC40DPC	PR18G-BC10D-E2	PR18G-BC40DPC-E2
	PNP NO+NC	PR18G-BC10D	PR18G-BC40DPR	PR18G-BC10D-E2	PR18G-BC40DPR-E2

Technical Parameter				
Supply voltage	10...30 VDC	10...30 VDC	10...30 VDC	10...30 VDC
Light source	Infrared LED (880nm)	Infrared LED (880nm)	Infrared LED (880nm)	Infrared LED (880nm)
Load current	<200mA	<200mA	<200mA	<200mA
Voltage drop	<2.5V	<2.5V	<2.5V	<2.5V
Consumption current	<25mA	<25mA	<25mA	<25mA
Hysteresis	3...20%	3...20%	3...20%	3...20%
Repeat accuracy	<5%	<5%	<5%	<5%
Response time	<8.2ms	<8.2ms	<8.2ms	<8.2ms
Output indicator	Yellow LED	Yellow LED	Yellow LED	Yellow LED
Polarity protection	yes	yes	yes	yes
Surge protection	yes	yes	yes	yes
Short-circuit protection	yes	yes	yes	yes
Ambient temperature	-15...+55°C	-15...+55°C	-15...+55°C	-15...+55°C
Ambient moisture	35...95%	35...95%	35...95%	35...95%
Protection degree	IP65	IP65	IP65	IP65
Housing material	Nickel-copper Alloy	Nickel-copper Alloy	Nickel-copper Alloy	Nickel-copper Alloy
Connection	2m PVC Cable	2m PVC Cable	M12 Connector	M12 Connector
Certification	CE U _L	CE U _L	CE U _L	CE U _L

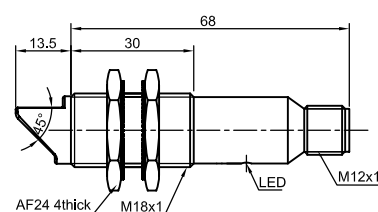
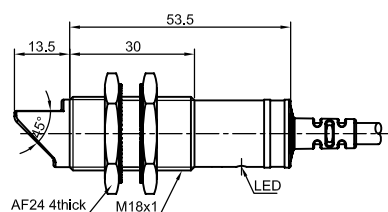


Item Code	PR18G	PR18G
Sensing mode	Retro reflection	Retro reflection
Sensing distance	3m (Non-adjustable)	3m (Non-adjustable)



Output	NPN NO	PR18G-DM3DNO	PR18G-DM3DNO-E2
	NPN NC	PR18G-DM3DNC	PR18G-DM3DNC-E2
	NPN NO+NC	PR18G-DM3DNR	PR18G-DM3DNR-E2
Output	PNP NO	PR18G-DM3DPO	PR18G-DM3DPO-E2
	PNP NC	PR18G-DM3DPC	PR18G-DM3DPC-E2
	PNP NO+NC	PR18G-DM3DPR	PR18G-DM3DPR-E2

Technical Parameter			
Supply voltage	10...30 VDC	10...30 VDC	
Light source	Infrared LED (880nm)	Infrared LED (880nm)	
Load current	<200mA	<200mA	
Voltage drop	<2.5V	<2.5V	
Consumption current	<25mA	<25mA	
Hysteresis	...	...	
Repeat accuracy	<5%	<5%	
Response time	<8.2ms	<8.2ms	
Output indicator	Yellow LED	Yellow LED	
Polarity protection	yes	yes	
Surge protection	yes	yes	
Short-circuit protection	yes	yes	
Ambient temperature	-15...+55°C	-15...+55°C	
Ambient moisture	35...95%	35...95%	
Protection degree	IP65	IP65	
Housing material	Nickel-copper Alloy	Nickel-copper Alloy	
Connection	2m PVC Cable	M12 Connector	
Certification	CE UL	CE UL	

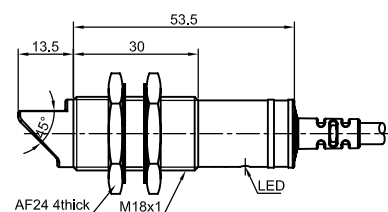
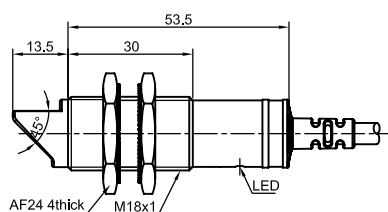


Item Code	PR18G		PR18G	
Sensing mode	Through beam(Emitter)	Through beam(Receiver)	Through beam(Emitter)	Through beam(Receiver)
Sensing distance	10m (Non-adjustable)	10m (Non-adjustable)	20m (Non-adjustable)	20m (Non-adjustable)



Output	NPN NO	PR18G-TM10D	PR18G-TM10DNO	PR18G-TM20D	PR18G-TM20DNO
	NPN NC	PR18G-TM10D	PR18G-TM10DNC	PR18G-TM20D	PR18G-TM20DNC
	NPN NO+NC	PR18G-TM10D	PR18G-TM10DNR	PR18G-TM20D	PR18G-TM20DNR
Output	PNP NO	PR18G-TM10D	PR18G-TM10DPO	PR18G-TM20D	PR18G-TM20DPO
	PNP NC	PR18G-TM10D	PR18G-TM10DPC	PR18G-TM20D	PR18G-TM20DPC
	PNP NO+NC	PR18G-TM10D	PR18G-TM10DPR	PR18G-TM20D	PR18G-TM20DPR

Technical Parameter				
Supply voltage	10...30 VDC	10...30 VDC	10...30 VDC	10...30 VDC
Light source	Infrared LED (880nm)	Infrared LED (880nm)	Infrared LED (880nm)	Infrared LED (880nm)
Load current	...	<200mA	...	<200mA
Voltage drop	...	<2.5V	...	<2.5V
Consumption current	<25mA	<25mA	<25mA	<25mA
Hysteresis	...	...	...	...
Repeat accuracy	<5%	<5%	<5%	<5%
Response time	...	< 8.2ms	...	< 8.2ms
Output indicator	Green LED	Yellow LED	Green LED	Yellow LED
Polarity protection	yes	yes	yes	yes
Surge protection	yes	yes	yes	yes
Short-circuit protection	...	yes	...	yes
Ambient temperature	-15...+55°C	-15...+55°C	-15...+55°C	-15...+55°C
Ambient moisture	35...95%	35...95%	35...95%	35...95%
Protection degree	IP65	IP65	IP65	IP65
Housing material	Nickel-copper Alloy	Nickel-copper Alloy	Nickel-copper Alloy	Nickel-copper Alloy
Connection	2m PVC Cable	2m PVC Cable	2m PVC Cable	2m PVC Cable
Certification	CE U _L	CE U _L	CE U _L	CE U _L

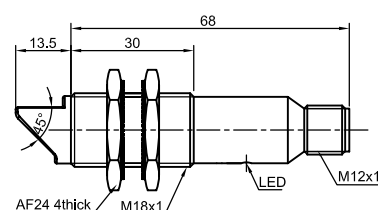
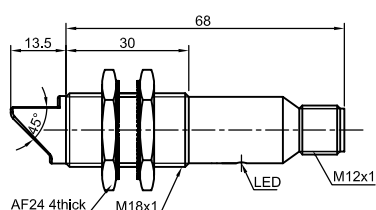


Item Code	PR18G		PR18G	
Sensing mode	Through beam(Emitter)	Through beam(Receiver)	Through beam(Emitter)	Through beam(Receiver)
Sensing distance	10m (Non-adjustable)	10m (Non-adjustable)	20m (Non-adjustable)	20m (Non-adjustable)



Output	NPN NO	PR18G-TM10D-E2	PR18G-TM10DNO-E2	PR18G-TM20D-E2	PR18G-TM20DNO-E2
	NPN NC	PR18G-TM10D-E2	PR18G-TM10DNC-E2	PR18G-TM20D-E2	PR18G-TM20DNC-E2
	NPN NO+NC	PR18G-TM10D-E2	PR18G-TM10DNR-E2	PR18G-TM20D-E2	PR18G-TM20DNR-E2
Output	PNP NO	PR18G-TM10D-E2	PR18G-TM10DPO-E2	PR18G-TM20D-E2	PR18G-TM20DPO-E2
	PNP NC	PR18G-TM10D-E2	PR18G-TM10DPC-E2	PR18G-TM20D-E2	PR18G-TM20DPC-E2
	PNP NO+NC	PR18G-TM10D-E2	PR18G-TM10DPR-E2	PR18G-TM20D-E2	PR18G-TM20DPR-E2

Technical Parameter					
Supply voltage	10...30 VDC	10...30 VDC	10...30 VDC	10...30 VDC	10...30 VDC
Light source	Infrared LED (880nm)	Infrared LED (880nm)	Infrared LED (880nm)	Infrared LED (880nm)	Infrared LED (880nm)
Load current	...	<200mA	...	<200mA	<200mA
Voltage drop	...	<2.5V	...	<2.5V	<2.5V
Consumption current	<25mA	<25mA	<25mA	<25mA	<25mA
Hysteresis	...	...	...	...	...
Repeat accuracy	<5%	<5%	<5%	<5%	<5%
Response time	...	< 8.2ms	...	< 8.2ms	< 8.2ms
Output indicator	Green LED	Yellow LED	Green LED	Yellow LED	Yellow LED
Polarity protection	yes	yes	yes	yes	yes
Surge protection	yes	yes	yes	yes	yes
Short-circuit protection	...	yes	...	yes	yes
Ambient temperature	-15...+55°C	-15...+55°C	-15...+55°C	-15...+55°C	-15...+55°C
Ambient moisture	35...95%	35...95%	35...95%	35...95%	35...95%
Protection degree	IP65	IP65	IP65	IP65	IP65
Housing material	Nickel-copper Alloy	Nickel-copper Alloy	Nickel-copper Alloy	Nickel-copper Alloy	Nickel-copper Alloy
Connection	M12 Connector	M12 Connector	M12 Connector	M12 Connector	M12 Connector
Certification	CE U _L	CE U _L	CE U _L	CE U _L	CE U _L

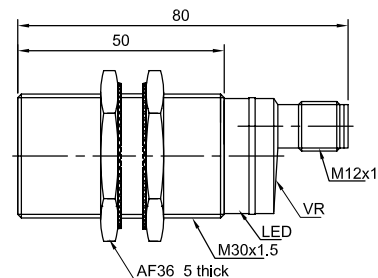
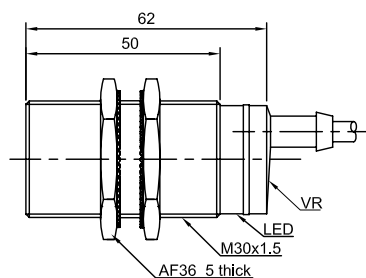


Item Code	PR30		PR30	
Sensing mode	Diffuse reflection		Diffuse reflection	
Sensing distance	50cm (Adjustable)	100cm (Adjustable)	50cm (Adjustable)	100cm (Adjustable)



Output	NPN NO	PR30-BC50DNO	PR30-BC100DNO	PR30-BC50DNO-E2	PR30-BC100DNO-E2
	NPN NC	PR30-BC50DNC	PR30-BC100DNC	PR30-BC50DNC-E2	PR30-BC100DNC-E2
	NPN NO+NC	PR30-BC50DNR	PR30-BC100DNR	PR30-BC50DNR-E2	PR30-BC100DNR-E2
Output	PNP NO	PR30-BC50DPO	PR30-BC100DPO	PR30-BC50DPO-E2	PR30-BC100DPO-E2
	PNP NC	PR30-BC50DPC	PR30-BC100DPC	PR30-BC50DPC-E2	PR30-BC100DPC-E2
	PNP NO+NC	PR30-BC50DPR	PR30-BC100DPR	PR30-BC50DPR-E2	PR30-BC100DPR-E2

Technical Parameter					
Supply voltage	10...30 VDC	10...30 VDC	10...30 VDC	10...30 VDC	10...30 VDC
Light source	Infrared LED (880nm)	Infrared LED (880nm)	Infrared LED (880nm)	Infrared LED (880nm)	Infrared LED (880nm)
Load current	<200mA	<200mA	<200mA	<200mA	<200mA
Voltage drop	<2.5V	<2.5V	<2.5V	<2.5V	<2.5V
Consumption current	<25mA	<25mA	<25mA	<25mA	<25mA
Hysteresis	3...20%	3...20%	3...20%	3...20%	3...20%
Repeat accuracy	<5%	<5%	<5%	<5%	<5%
Response time	<8.2ms	<8.2ms	<8.2ms	<8.2ms	<8.2ms
Output indicator	Yellow LED	Yellow LED	Yellow LED	Yellow LED	Yellow LED
Polarity protection	yes	yes	yes	yes	yes
Surge protection	yes	yes	yes	yes	yes
Short-circuit protection	yes	yes	yes	yes	yes
Ambient temperature	-15...+55°C	-15...+55°C	-15...+55°C	-15...+55°C	-15...+55°C
Ambient moisture	35...95%	35...95%	35...95%	35...95%	35...95%
Protection degree	IP67	IP67	IP67	IP67	IP67
Housing material	Nickel-copper Alloy	Nickel-copper Alloy	Nickel-copper Alloy	Nickel-copper Alloy	Nickel-copper Alloy
Connection	2m PVC Cable	2m PVC Cable	M12 Connector	M12 Connector	M12 Connector
Certification	CE U _L	CE U _L	CE U _L	CE U _L	CE U _L

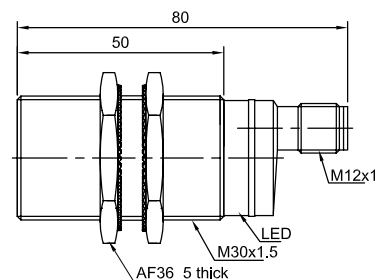
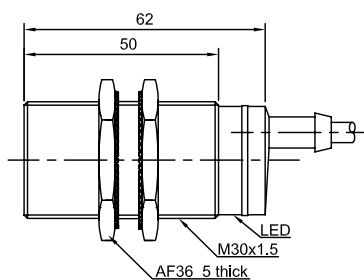


Item Code	PR30	PR30
Sensing mode	Retro reflection	Retro reflection
Sensing distance	5m (Non-adjustable)	5m (Non-adjustable)



Output	NPN NO	PR30-DM5DNO	PR30-DM5DNO-E2
	NPN NC	PR30-DM5DNC	PR30-DM5DNC-E2
	NPN NO+NC	PR30-DM5DNR	PR30-DM5DNR-E2
Output	PNP NO	PR30-DM5DPO	PR30-DM5DPO-E2
	PNP NC	PR30-DM5DPC	PR30-DM5DPC-E2
	PNP NO+NC	PR30-DM5DPR	PR30-DM5DPR-E2

Technical Parameter			
Supply voltage	10...30 VDC	10...30 VDC	
Light source	Infrared LED (880nm)	Infrared LED (880nm)	
Load current	<200mA	<200mA	
Voltage drop	<2.5V	<2.5V	
Consumption current	<25mA	<25mA	
Hysteresis	...	...	
Repeat accuracy	<5%	<5%	
Response time	< 8.2ms	< 8.2ms	
Output indicator	Yellow LED	Yellow LED	
Polarity protection	yes	yes	
Surge protection	yes	yes	
Short-circuit protection	yes	yes	
Ambient temperature	-15...+55°C	-15...+55°C	
Ambient moisture	35...95%	35...95%	
Protection degree	IP67	IP67	
Housing material	Nickel-copper Alloy	Nickel-copper Alloy	
Connection	2m PVC Cable	M12 Connector	
Certification	CE U _I	CE U _I	

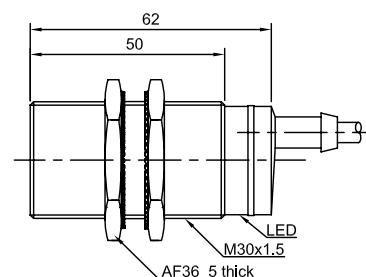
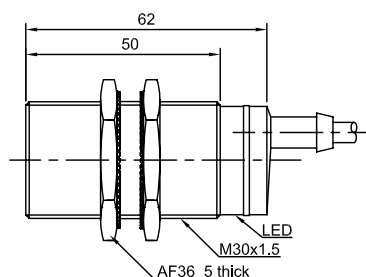


Item Code	PR30		PR30	
Sensing mode	Through beam(Emitter)	Through beam(Receiver)	Through beam(Emitter)	Through beam(Receiver)
Sensing distance	20m (Non-adjustable)	20m (Non-adjustable)	40m (Non-adjustable)	40m (Non-adjustable)



Output	NPN NO	PR30-TM20D	PR30-TM20DNO	PR30-TM40D	PR30-TM40DNO
	NPN NC	PR30-TM20D	PR30-TM20DNC	PR30-TM40D	PR30-TM40DNC
	NPN NO+NC	PR30-TM20D	PR30-TM20DNR	PR30-TM40D	PR30-TM40DNR
Output	PNP NO	PR30-TM20D	PR30-TM20DPO	PR30-TM40D	PR30-TM40DPO
	PNP NC	PR30-TM20D	PR30-TM20DPC	PR30-TM40D	PR30-TM40DPC
	PNP NO+NC	PR30-TM20D	PR30-TM20DPR	PR30-TM40D	PR30-TM40DPR

Technical Parameter				
Supply voltage	10...30 VDC	10...30 VDC	10...30 VDC	10...30 VDC
Light source	Infrared LED (880nm)	Infrared LED (880nm)	Infrared LED (880nm)	Infrared LED (880nm)
Load current	...	<200mA	...	<200mA
Voltage drop	...	<2.5V	...	<2.5V
Consumption current	<25mA	<25mA	<25mA	<25mA
Hysteresis	...	...	...	...
Repeat accuracy	<5%	<5%	<5%	<5%
Response time	...	<8.2ms	...	<8.2ms
Output indicator	Green LED	Yellow LED	Green LED	Yellow LED
Polarity protection	yes	yes	yes	yes
Surge protection	yes	yes	yes	yes
Short-circuit protection	...	yes	...	yes
Ambient temperature	-15...+55°C	-15...+55°C	-15...+55°C	-15...+55°C
Ambient moisture	35...95%	35...95%	35...95%	35...95%
Protection degree	IP67	IP67	IP67	IP67
Housing material	Nickel-copper Alloy	Nickel-copper Alloy	Nickel-copper Alloy	Nickel-copper Alloy
Connection	2m PVC Cable	2m PVC Cable	2m PVC Cable	2m PVC Cable
Certification	CE U _L	CE U _L	CE U _L	CE U _L

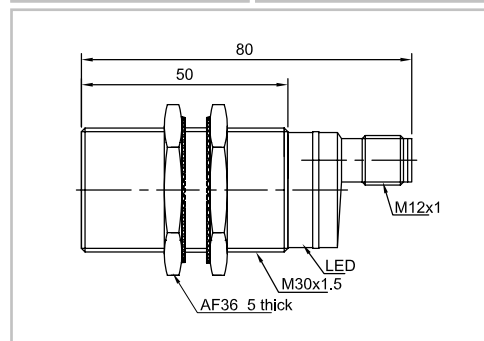
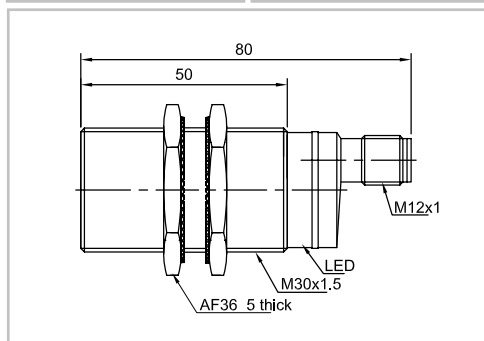
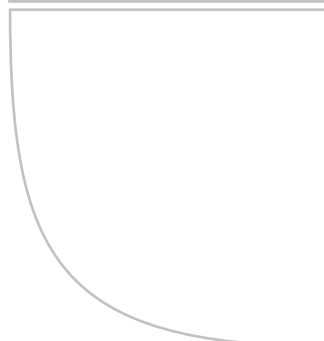


Item Code	PR30		PR30	
Sensing mode	Through beam(Emitter)	Through beam(Receiver)	Through beam(Emitter)	Through beam(Receiver)
Sensing distance	20m (Non-adjustable)	20m (Non-adjustable)	40m (Non-adjustable)	40m (Non-adjustable)



Output	NPN NO	PR30-TM20D-E2	PR30-TM20DNO-E2	PR30-TM40D-E2	PR30-TM40DNO-E2
	NPN NC	PR30-TM20D-E2	PR30-TM20DNC-E2	PR30-TM40D-E2	PR30-TM40DNC-E2
	NPN NO+NC	PR30-TM20D-E2	PR30-TM20DNR-E2	PR30-TM40D-E2	PR30-TM40DNR-E2
Output	PNP NO	PR30-TM20D-E2	PR30-TM20DPO-E2	PR30-TM40D-E2	PR30-TM40DPO-E2
	PNP NC	PR30-TM20D-E2	PR30-TM20DPC-E2	PR30-TM40D-E2	PR30-TM40DPC-E2
	PNP NO+NC	PR30-TM20D-E2	PR30-TM20DPR-E2	PR30-TM40D-E2	PR30-TM40DPR-E2

Technical Parameter				
Supply voltage	10...30 VDC	10...30 VDC	10...30 VDC	10...30 VDC
Light source	Infrared LED (880nm)	Infrared LED (880nm)	Infrared LED (880nm)	Infrared LED (880nm)
Load current	...	<200mA	...	<200mA
Voltage drop	...	<2.5V	...	<2.5V
Consumption current	<25mA	<25mA	<25mA	<25mA
Hysteresis	...	...	...	...
Repeat accuracy	<5%	<5%	<5%	<5%
Response time	...	<8.2ms	...	<8.2ms
Output indicator	Green LED	Yellow LED	Green LED	Yellow LED
Polarity protection	yes	yes	yes	yes
Surge protection	yes	yes	yes	yes
Short-circuit protection	...	yes	...	yes
Ambient temperature	-15...+55°C	-15...+55°C	-15...+55°C	-15...+55°C
Ambient moisture	35...95%	35...95%	35...95%	35...95%
Protection degree	IP67	IP67	IP67	IP67
Housing material	Nickel-copper Alloy	Nickel-copper Alloy	Nickel-copper Alloy	Nickel-copper Alloy
Connection	M12 Connector	M12 Connector	M12 Connector	M12 Connector
Certification	CE U _L	CE U _L	CE U _L	CE U _L

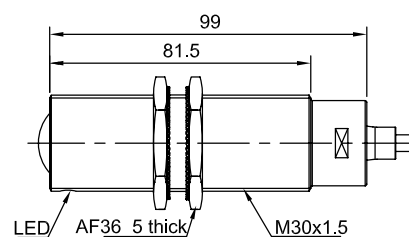
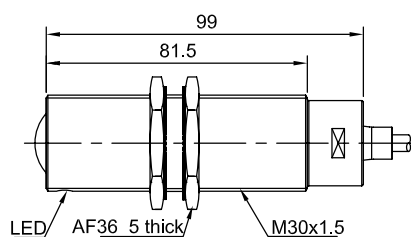


Item Code	PR30L		PR30L	
Sensing mode	Through beam(Emitter)	Through beam(Receiver)	Through beam(Emitter)	Through beam(Receiver)
Sensing distance	100m (Non-adjustable)	100m (Non-adjustable)	150m (Non-adjustable)	150m (Non-adjustable)



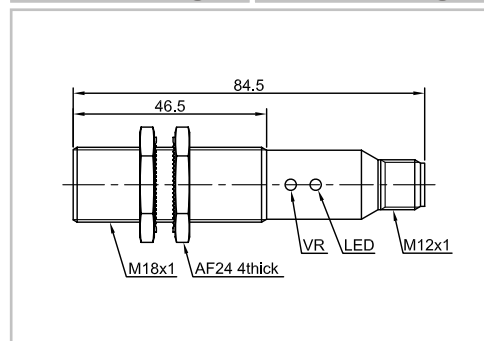
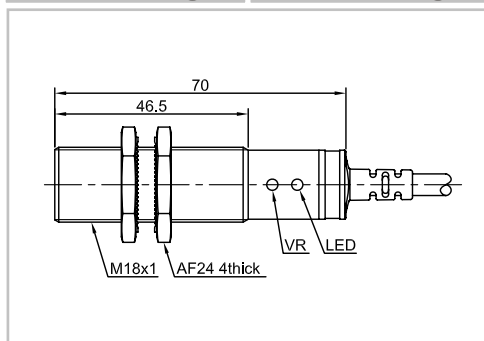
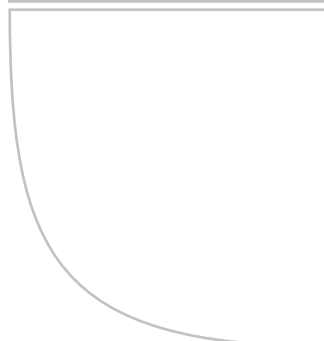
Output	NPN/PNP NO/NC	PR30L-TM100D	PR30L-TM100DEB	PR30L-TM150D	PR30L-TM150DEB
	NPN/PNP NO/NC	PR30L-TM100D 1001	PR30L-TM100DEB 1001	PR30L-TM150D 1001	PR30L-TM150DEB 1001
	NPN/PNP NO/NC	PR30L-TM100D 1002	PR30L-TM100DEB 1002	PR30L-TM150D 1002	PR30L-TM150DEB 1002

Technical Parameter				
Supply voltage	10...30 VDC	10...30 VDC	10...30 VDC	10...30 VDC
Light source	Infrared LED (880nm)	Infrared LED (880nm)	Infrared LED (880nm)	Infrared LED (880nm)
Load current	...	<200mA	...	<200mA
Voltage drop	...	<2.5V	...	<2.5V
Consumption current	<25mA	<25mA	<25mA	<25mA
Hysteresis	...	...	...	...
Repeat accuracy	<5%	<5%	<5%	<5%
Response time	...	<8.2ms	...	<8.2ms
Output indicator	Green LED	Red LED	Green LED	Red LED
Polarity protection	yes	yes	yes	yes
Surge protection	yes	yes	yes	yes
Short-circuit protection	...	yes	...	yes
Ambient temperature	-15...+55°C	-15...+55°C	-15...+55°C	-15...+55°C
Ambient moisture	35...95%	35...95%	35...95%	35...95%
Protection degree	IP67	IP67	IP67	IP67
Housing material	Nickel-copper Alloy	Nickel-copper Alloy	Nickel-copper Alloy	Nickel-copper Alloy
Connection	2m PVC Cable	2m PVC Cable	2m PVC Cable	2m PVC Cable
Certification	CE U _L	CE U _L	CE U _L	CE U _L



Item Code		PR18		PR18	
Sensing mode		Diffuse reflection		Diffuse reflection	
Sensing distance		10cm (Non-adjustable)	40cm (Adjustable)	10cm (Non-adjustable)	40cm (Adjustable)
					
Output	AC 2 Wires NO	PR18-BC10ATO	PR18-BC40ATO	PR18-BC10ATO-E2	PR18-BC40ATO-E2
	AC 2 Wires NC	PR18-BC10ATC	PR18-BC40ATC	PR18-BC10ATC-E2	PR18-BC40ATC-E2

Technical Parameter					
Supply voltage	20...250 VAC	20...250 VAC	20...250 VAC	20...250 VAC	20...250 VAC
Light source	Infrared LED (880nm)	Infrared LED (880nm)	Infrared LED (880nm)	Infrared LED (880nm)	Infrared LED (880nm)
Load current	< 300mA	< 300mA	< 300mA	< 300mA	< 300mA
Voltage drop	< 10V	< 10V	< 10V	< 10V	< 10V
Consumption current	< 3mA	< 3mA	< 3mA	< 3mA	< 3mA
Hysteresis	3...20%	3...20%	3...20%	3...20%	3...20%
Repeat accuracy	< 5%	< 5%	< 5%	< 5%	< 5%
Response time	< 50ms	< 50ms	< 50ms	< 50ms	< 50ms
Output indicator	Yellow LED	Yellow LED	Yellow LED	Yellow LED	Yellow LED
Polarity protection	...	...	...	...	...
Surge protection	yes	yes	yes	yes	yes
Short-circuit protection	...	...	...	...	...
Ambient temperature	-15...+55°C	-15...+55°C	-15...+55°C	-15...+55°C	-15...+55°C
Ambient moisture	35...95%	35...95%	35...95%	35...95%	35...95%
Protection degree	IP67	IP67	IP67	IP67	IP67
Housing material	Nickel-copper Alloy	Nickel-copper Alloy	Nickel-copper Alloy	Nickel-copper Alloy	Nickel-copper Alloy
Connection	2m PVC Cable	2m PVC Cable	M12 Connector	M12 Connector	M12 Connector
Certification	CE U L C	CE U L C	CE U L C	CE U L C	CE U L C



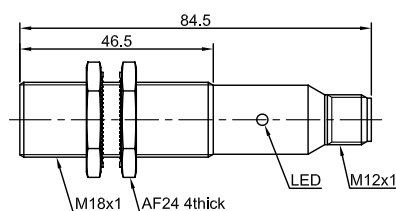
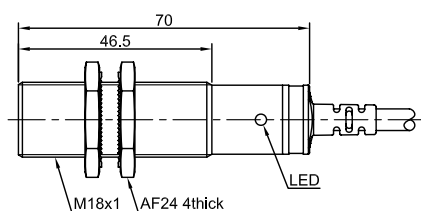
Item Code	PR18	PR18
Sensing mode	Retro reflection	Retro reflection
Sensing distance	3m (Non-adjustable)	3m (Non-adjustable)



Output	AC 2 Wires NO	PR18-DM3ATO	PR18-DM3ATO-E2
	AC 2 Wires NC	PR18-DM3ATC	PR18-DM3ATC-E2

Technical Parameter

Supply voltage	20...250 VAC	20...250 VAC
Light source	Infrared LED (880nm)	Infrared LED (880nm)
Load current	< 300mA	< 300mA
Voltage drop	< 10V	< 10V
Leakage current	< 3mA	< 3mA
Hysteresis	...	...
Repeat accuracy	< 5%	< 5%
Response time	< 50ms	< 50ms
Output indicator	Yellow LED	Yellow LED
Polarity protection	...	...
Surge protection	yes	yes
Short-circuit protection	...	...
Ambient temperature	-15...+55°C	-15...+55°C
Ambient moisture	35...95%	35...95%
Protection degree	IP67	IP67
Housing material	Nickel-copper Alloy	Nickel-copper Alloy
Connection	2m PVC Cable	M12 Connector
Certification	CE U L	CE U L

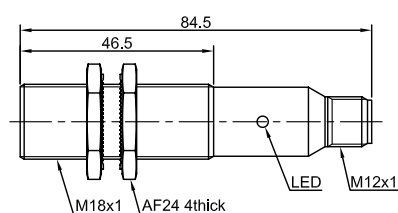
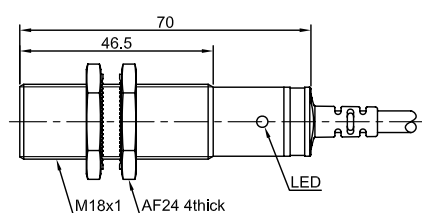


Item Code	PR18		PR18	
Sensing mode	Through beam(Emitter)	Through beam(Receiver)	Through beam(Emitter)	Through beam(Receiver)
Sensing distance	10m (Non-adjustable)	10m (Non-adjustable)	10m (Non-adjustable)	10m (Non-adjustable)



Output	AC 2 Wires NO	PR18-TM10A	PR18-TM10ATO	PR18-TM10A-E2	PR18-TM10ATO-E2
	AC 2 Wires NC	PR18-TM10A	PR18-TM10ATC	PR18-TM10A-E2	PR18-TM10ATC-E2

Technical Parameter					
Supply voltage	20...250 VAC	20...250 VAC	20...250 VAC	20...250 VAC	
Light source	Infrared LED (880nm)	Infrared LED (880nm)	Infrared LED (880nm)	Infrared LED (880nm)	
Load current	...	< 300mA	...	< 300mA	
Voltage drop	...	< 10V	...	< 10V	
Leakage current	< 3mA	< 3mA	< 3mA	< 3mA	
Hysteresis	...	...	...	...	
Repeat accuracy	< 5%	< 5%	< 5%	< 5%	
Response time	< 50ms	< 50ms	< 50ms	< 50ms	
Output indicator	Green LED	Yellow LED	Green LED	Yellow LED	
Polarity protection	...	...	...	...	
Surge protection	yes	yes	yes	yes	
Short-circuit protection	...	...	...	...	
Ambient temperature	-15...+55°C	-15...+55°C	-15...+55°C	-15...+55°C	
Ambient moisture	35...95%	35...95%	35...95%	35...95%	
Protection degree	IP67	IP67	IP67	IP67	
Housing material	Nickel-copper Alloy	Nickel-copper Alloy	Nickel-copper Alloy	Nickel-copper Alloy	
Connection	2m PVC Cable	2m PVC Cable	M12 Connector	M12 Connector	
Certification	CE U L	CE U L	CE U L	CE U L	

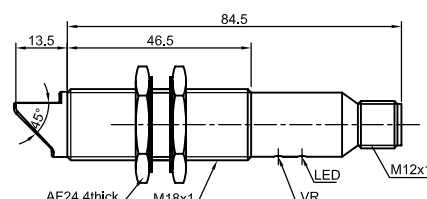
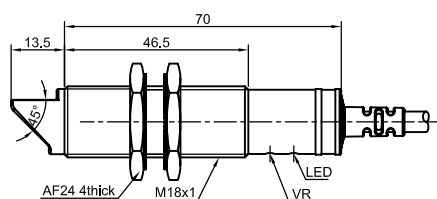


Item Code	PR18G		PR18G	
Sensing mode	Diffuse reflection		Diffuse reflection	
Sensing distance	10cm (Non-adjustable)	40cm (Adjustable)	10cm (Non-adjustable)	40cm (Adjustable)



Output	AC 2 Wires NO	PR18G-BC10A	PR18G-BC40ATO	PR18G-BC10A-E2	PR18G-BC40ATO-E2
	AC 2 Wires NC	PR18G-BC10A	PR18G-BC40ATC	PR18G-BC10A-E2	PR18G-BC40ATC-E2

Technical Parameter					
Supply voltage	20...250 VAC	20...250 VAC	20...250 VAC	20...250 VAC	20...250 VAC
Light source	Infrared LED (880nm)	Infrared LED (880nm)	Infrared LED (880nm)	Infrared LED (880nm)	Infrared LED (880nm)
Load current	< 300mA	< 300mA	< 300mA	< 300mA	< 300mA
Voltage drop	< 10V	< 10V	< 10V	< 10V	< 10V
Consumption current	< 3mA	< 3mA	< 3mA	< 3mA	< 3mA
Hysteresis	3...20%	3...20%	3...20%	3...20%	3...20%
Repeat accuracy	< 5%	< 5%	< 5%	< 5%	< 5%
Response time	< 50ms	< 50ms	< 50ms	< 50ms	< 50ms
Output indicator	Yellow LED	Yellow LED	Yellow LED	Yellow LED	Yellow LED
Polarity protection	...	...	...	...	...
Surge protection	yes	yes	yes	yes	yes
Short-circuit protection	...	...	...	...	...
Ambient temperature	-15...+55°C	-15...+55°C	-15...+55°C	-15...+55°C	-15...+55°C
Ambient moisture	35...95%	35...95%	35...95%	35...95%	35...95%
Protection degree	IP65	IP65	IP65	IP65	IP65
Housing material	Nickel-copper Alloy	Nickel-copper Alloy	Nickel-copper Alloy	Nickel-copper Alloy	Nickel-copper Alloy
Connection	2m PVC Cable	2m PVC Cable	M12 Connector	M12 Connector	M12 Connector
Certification	CE U L	CE U L	CE U L	CE U L	CE U L



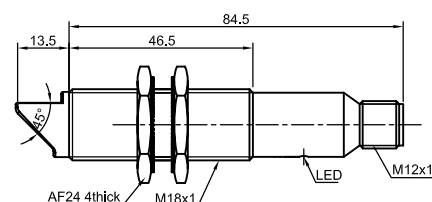
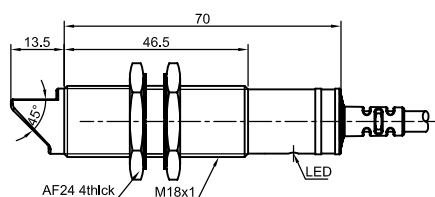
Item Code	PR18G	PR18G
Sensing mode	Retro reflection	Retro reflection
Sensing distance	3m (Non-adjustable)	3m (Non-adjustable)



Output	AC 2 Wires NO	PR18G-DM3ATO		PR18G-DM3ATO-E2	
	AC 2 Wires NC	PR18G-DM3ATC		PR18G-DM3ATC-E2	

Technical Parameter

Supply voltage	20...250 VAC	20...250 VAC
Light source	Infrared LED (880nm)	Infrared LED (880nm)
Load current	< 300mA	< 300mA
Voltage drop	< 10V	< 10V
Leakage current	< 3mA	< 3mA
Hysteresis	...	...
Repeat accuracy	< 5%	< 5%
Response time	< 50ms	< 50ms
Output indicator	Yellow LED	Yellow LED
Polarity protection	...	...
Surge protection	yes	yes
Short-circuit protection	...	...
Ambient temperature	-15...+55°C	-15...+55°C
Ambient moisture	35...95%	35...95%
Protection degree	IP65	IP65
Housing material	Nickel-copper Alloy	Nickel-copper Alloy
Connection	2m PVC Cable	M12 Connector
Certification	CE U L	CE U L

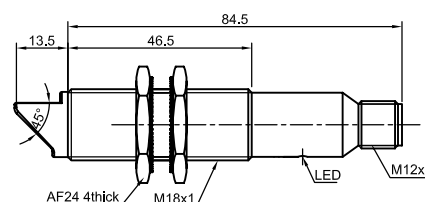
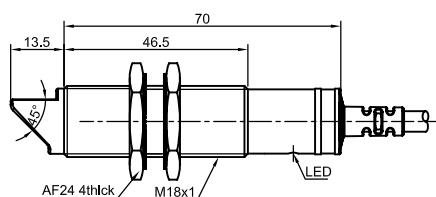


Item Code	PR18G		PR18G	
Sensing mode	Through beam(Emitter)	Through beam(Receiver)	Through beam(Emitter)	Through beam(Receiver)
Sensing distance	10m (Non-adjustable)	10m (Non-adjustable)	10m (Non-adjustable)	10m (Non-adjustable)



Output	AC 2 Wires NO	PR18G-TM10A	PR18G-TM10ATO	PR18G-TM10A-E2	PR18G-TM10ATO-E2
	AC 2 Wires NC	PR18G-TM10A	PR18G-TM10ATC	PR18G-TM10A-E2	PR18G-TM10ATC-E2

Technical Parameter					
Supply voltage	20...250 VAC	20...250 VAC	20...250 VAC	20...250 VAC	
Light source	Infrared LED (880nm)	Infrared LED (880nm)	Infrared LED (880nm)	Infrared LED (880nm)	
Load current	...	< 300mA	...	< 300mA	
Voltage drop	...	< 10V	...	< 10V	
Leakage current	< 3mA	< 3mA	< 3mA	< 3mA	
Hysteresis	...	...	...	...	
Repeat accuracy	< 5%	< 5%	< 5%	< 5%	
Response time	< 50ms	< 50ms	< 50ms	< 50ms	
Output indicator	Green LED	Yellow LED	Green LED	Yellow LED	
Polarity protection	...	...	...	...	
Surge protection	yes	yes	yes	yes	
Short-circuit protection	...	...	...	...	
Ambient temperature	-15...+55°C	-15...+55°C	-15...+55°C	-15...+55°C	
Ambient moisture	35...95%	35...95%	35...95%	35...95%	
Protection degree	IP65	IP65	IP65	IP65	
Housing material	Nickel-copper Alloy	Nickel-copper Alloy	Nickel-copper Alloy	Nickel-copper Alloy	
Connection	2m PVC Cable	2m PVC Cable	M12 Connector	M12 Connector	
Certification	CE U L	CE U L	CE U L	CE U L	

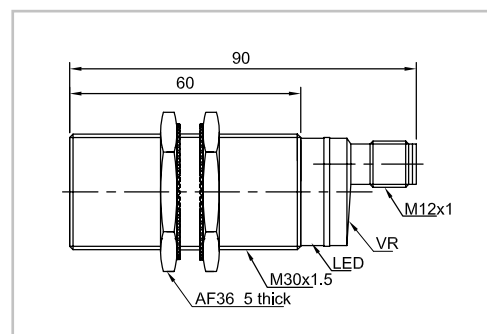
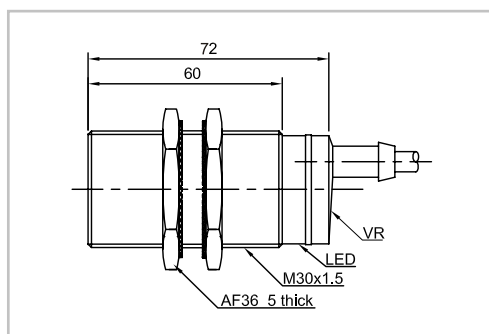
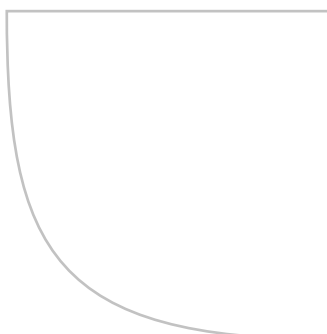


Item Code	PR30		PR30	
Sensing mode	Diffuse reflection		Diffuse reflection	
Sensing distance	50cm (Adjustable)	100cm (Adjustable)	50cm (Adjustable)	100cm (Adjustable)



Output	AC 2 Wires NO	PR30-BC50ATO	PR30-BC100ATO	PR30-BC50ATO-E2	PR30-BC100ATO-E2
	AC 2 Wires NC	PR30-BC50ATC	PR30-BC100ATC	PR30-BC50ATC-E2	PR30-BC100ATC-E2

Technical Parameter					
Supply voltage	20...250 VAC	20...250 VAC	20...250 VAC	20...250 VAC	20...250 VAC
Light source	Infrared LED (880nm)	Infrared LED (880nm)	Infrared LED (880nm)	Infrared LED (880nm)	Infrared LED (880nm)
Load current	< 300mA	< 300mA	< 300mA	< 300mA	< 300mA
Voltage drop	< 10V	< 10V	< 10V	< 10V	< 10V
Leakage current	< 3mA	< 3mA	< 3mA	< 3mA	< 3mA
Hysteresis	3...20%	3...20%	3...20%	3...20%	3...20%
Repeat accuracy	< 5%	< 5%	< 5%	< 5%	< 5%
Response time	< 50ms	< 50ms	< 50ms	< 50ms	< 50ms
Output indicator	Yellow LED	Yellow LED	Yellow LED	Yellow LED	Yellow LED
Polarity protection	...	...	...	...	...
Surge protection	yes	yes	yes	yes	yes
Short-circuit protection	...	...	...	...	...
Ambient temperature	-15...+55°C	-15...+55°C	-15...+55°C	-15...+55°C	-15...+55°C
Ambient moisture	35...95%	35...95%	35...95%	35...95%	35...95%
Protection degree	IP67	IP67	IP67	IP67	IP67
Housing material	Nickel-copper Alloy	Nickel-copper Alloy	Nickel-copper Alloy	Nickel-copper Alloy	Nickel-copper Alloy
Connection	2m PVC Cable	2m PVC Cable	M12 Connector	M12 Connector	M12 Connector
Certification	CE U L	CE U L	CE U L	CE U L	CE U L

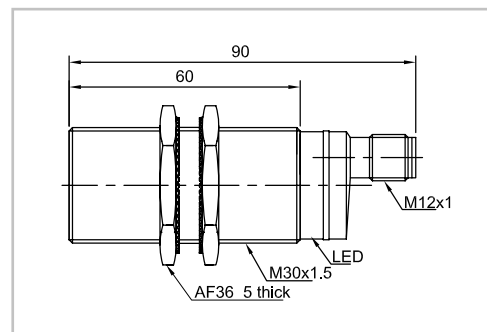
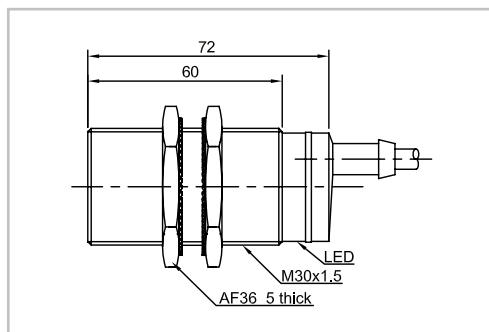
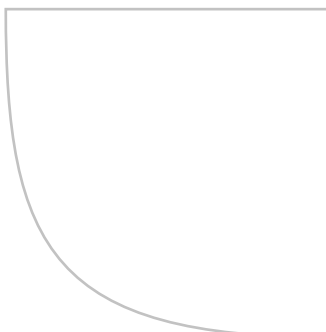


Item Code	PR30	PR30
Sensing mode	Retro reflection	Retro reflection
Sensing distance	5m (Adjustable)	5m (Adjustable)



Output	AC 2 Wires NO	PR30-DM5ATO		PR30-DM5ATO-E2	
	AC 2 Wires NC	PR30-DM5ATC		PR30-DM5ATC-E2	

Technical Parameter					
Supply voltage	20...250 VAC		20...250 VAC		
Light source	Infrared LED (880nm)		Infrared LED (880nm)		
Load current	< 300mA		< 300mA		
Voltage drop	< 10V		< 10V		
Leakage current	< 3mA		< 3mA		
Hysteresis	...		...		
Repeat accuracy	< 5%		< 5%		
Response time	< 50ms		< 50ms		
Output indicator	Yellow LED		Yellow LED		
Polarity protection	...		...		
Surge protection	yes		yes		
Short-circuit protection	...		...		
Ambient temperature	-15...+55°C		-15...+55°C		
Ambient moisture	35...95%		35...95%		
Protection degree	IP67		IP67		
Housing material	Nickel-copper Alloy		Nickel-copper Alloy		
Connection	2m PVC Cable		M12 Connector		
Certification	CE U L		CE U L		



Item Code	PR30		PR30	
Sensing mode	Through beam(Emitter)	Through beam(Receiver)	Through beam(Emitter)	Through beam(Receiver)
Sensing distance	20m (Non-adjustable)	20m (Non-adjustable)	20m (Non-adjustable)	20m (Non-adjustable)



Output	AC 2 Wires NO	PR30-TM20A	PR30-TM20ATO	PR30-TM20A-E2	PR30-TM20ATO-E2
	AC 2 Wires NC	PR30-TM20A	PR30-TM20ATC	PR30-TM20A-E2	PR30-TM20ATC-E2

Technical Parameter

Supply voltage	20...250 VAC	20...250 VAC	20...250 VAC	20...250 VAC
Light source	Infrared LED (880nm)	Infrared LED (880nm)	Infrared LED (880nm)	Infrared LED (880nm)
Load current	...	< 300mA	...	< 300mA
Voltage drop	...	< 10V	...	< 10V
Leakage current	< 3mA	< 3mA	< 3mA	< 3mA
Hysteresis	...	...	...	...
Repeat accuracy	< 5%	< 5%	< 5%	< 5%
Response time	...	< 50ms	...	< 50ms
Output indicator	Green LED	Yellow LED	Green LED	Yellow LED
Polarity protection	...	...	...	...
Surge protection	yes	yes	yes	yes
Short-circuit protection	...	...	...	...
Ambient temperature	-15...+55°C	-15...+55°C	-15...+55°C	-15...+55°C
Ambient moisture	35...95%	35...95%	35...95%	35...95%
Protection degree	IP67	IP67	IP67	IP67
Housing material	Nickel-copper Alloy	Nickel-copper Alloy	Nickel-copper Alloy	Nickel-copper Alloy
Connection	2m PVC Cable	2m PVC Cable	M12 Connector	M12 Connector
Certification	CE CCC	CE CCC	CE CCC	CE CCC

