WIN LENK Automation Inc.

WIN LENK Automation Inc.

Photo-electric Sensors 18mm cylindrical type & Plastic fiber optics



IP 67 CE RoHS cULus



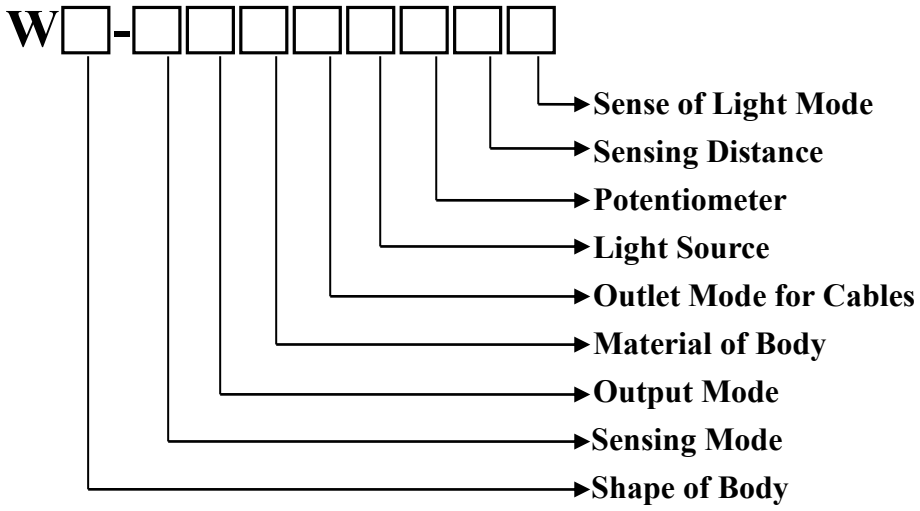
WIN LENK Automation Inc.

9F., No.120-12, Sec. 3, Zhongshan Rd., Zhonghe Dist., New Taipei City 235, Taiwan (R.O.C.)

TEL:+886-2-32343960 FAX: +886-2-32343961 E-mail: winlenk@yahoo.com.tw

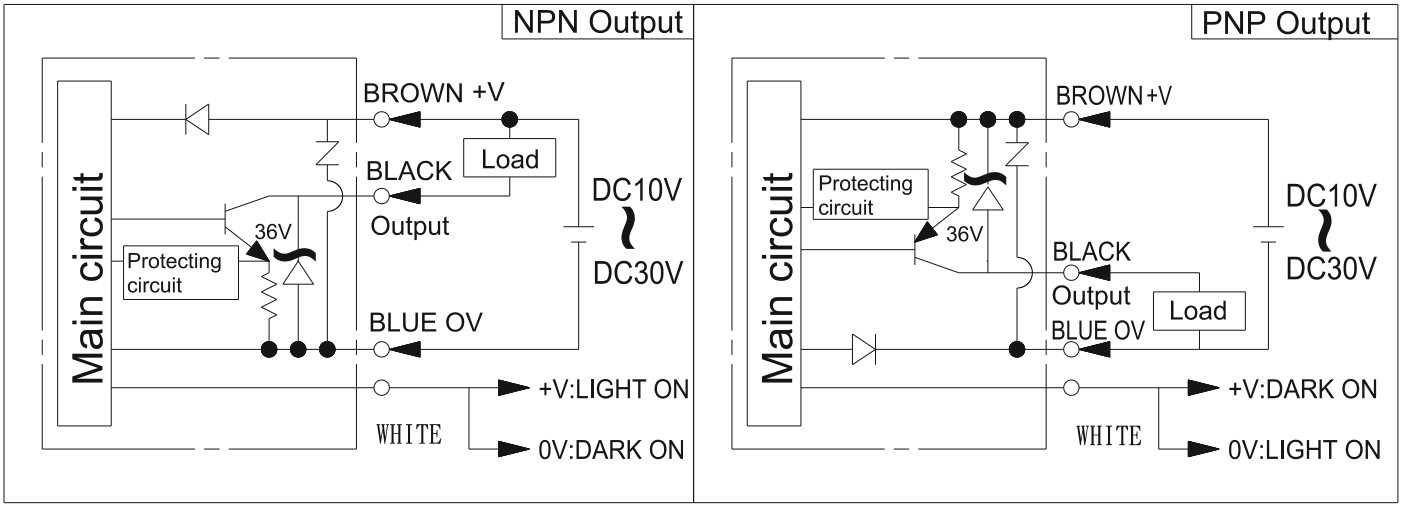
WIN LENK Automation Inc.

PHOTOELECTRIC SENSORS TYPE CODE

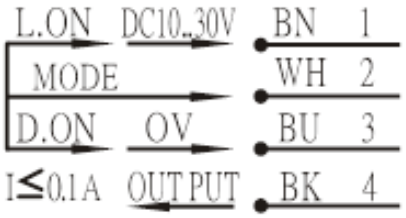


1. **Shape of Body:**
   L-flat 18mm cylinder , S-square , O-18mm cylinder
2. **Sensing Mode:**
   D-Diffuse Reflective , R-Retro Reflective , T-Thru Beam , F-Fiber Amplifier
3. **Output Mode:**
   N-NPN OPEN COLLECTOR , P-PNP OPEN COLLECTOR
4. **Material of Body:**
   P-Plastic , M-Metal
5. **Outlet Mode for Cables:**
   W1-Horizontal , W2-Vertical , W3-Connected with Socket , W4-Connected with Metal Socket
6. **Light Source:**
   I-Infra red light , R-visible Red light , P-visible red light with Polarizer
7. **Potentiometer:**
   O-single round potentiometer , D-double round potentiometer , N-without potentiometer
8. **Sensing Distance:**
   S-short distance , U-standard distance , L-long distance
   W-wide-angled(70°) , F-fixed focus , T-transparent object
9. **Sense of Light Mode:**
   V-Vertical Light

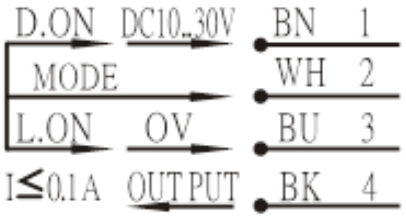
WIRING DIAGRAM



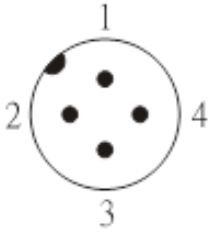
CONNECTIONS



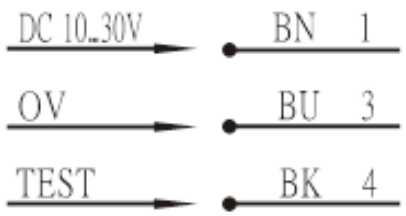
NPN TYPE



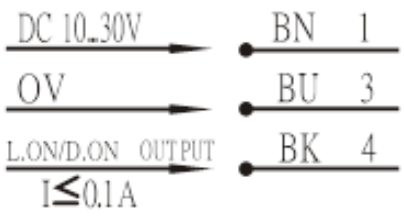
PNP TYPE



M12 CONNECTOR

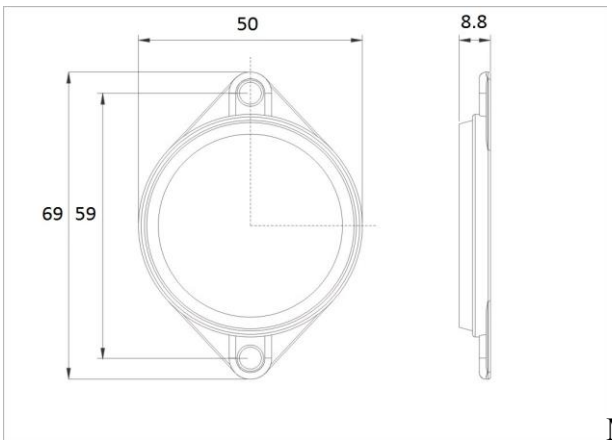


TRANSMITTER

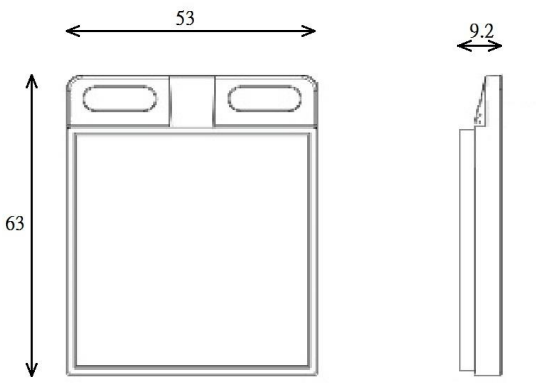


UNADJUSTABLE OPERATION MODE

Reflector(Unit in mm)



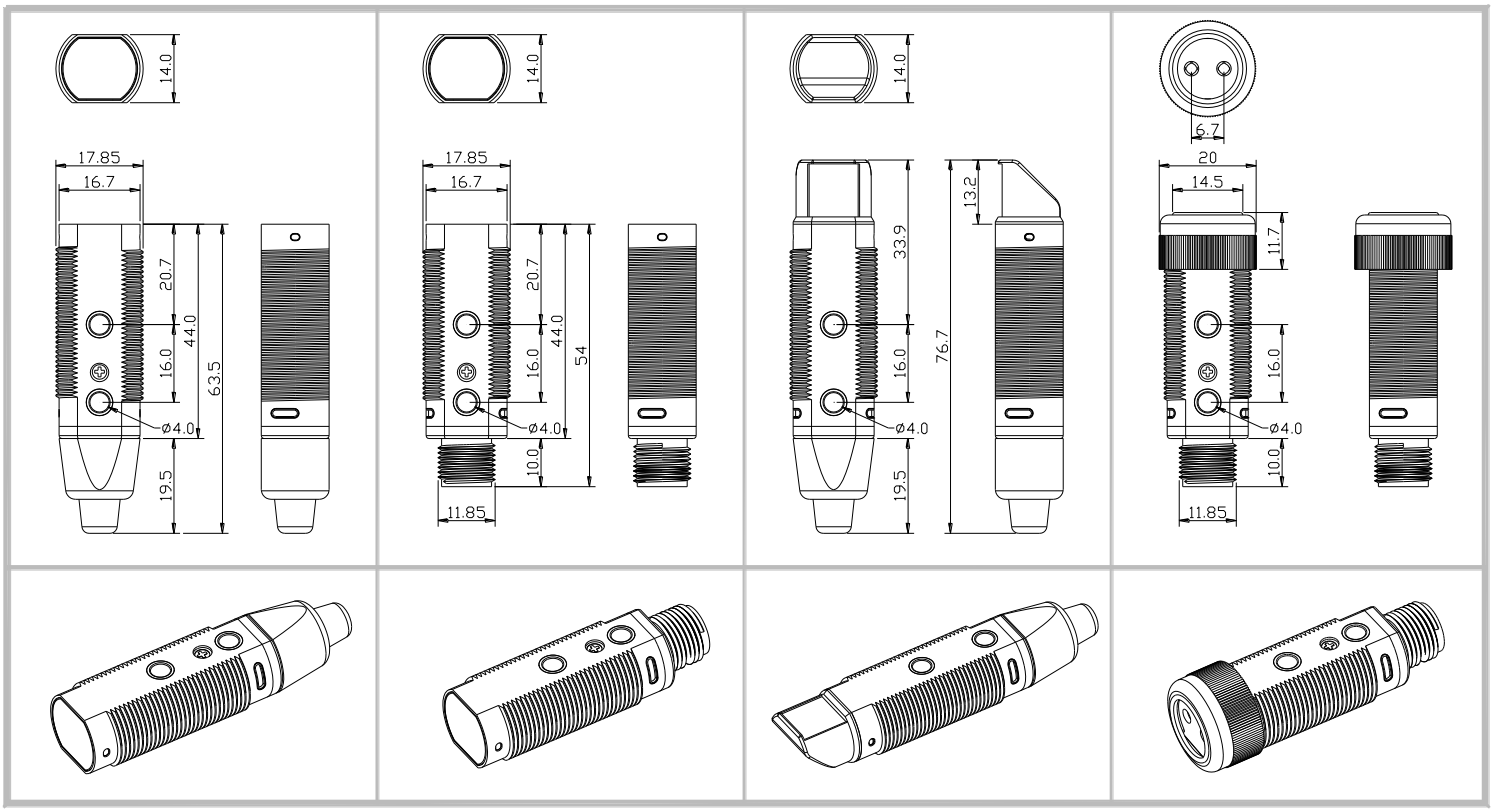
M46



M51

DIMENSIONS(Unit in mm) Only for Plastic Mode





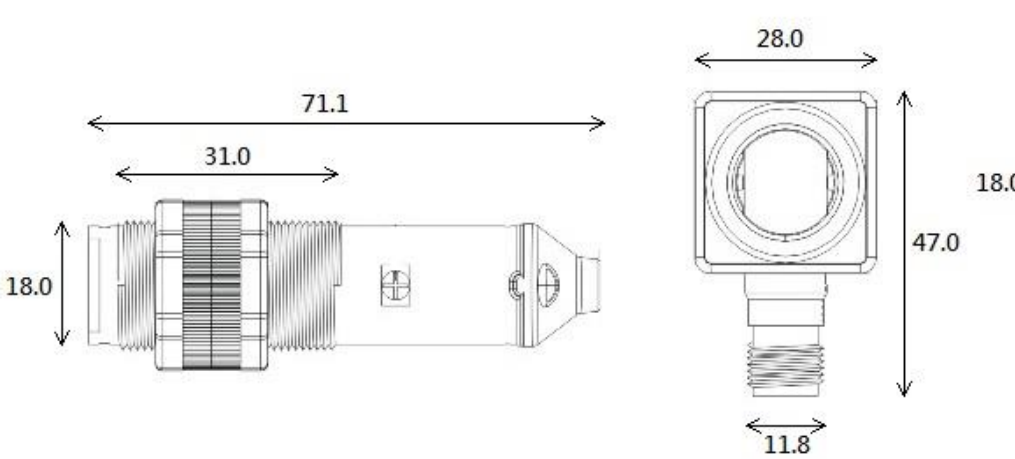


Photo-electric Sensors 18mm cylindrical type & Plastic fiber optics

WIN LENK Automation Inc.





A new choice in economic downturn
ODM production for large quantities



IP 67





CE RoHS

TEL:+886-2-32343960
FAX:+886-2-32343961
http://www.winlenk.com
E-mail:winlenk@yahoo.com.tw

WIN LENK Automation Inc.

WL SERIES DIFFUSE TYPE



SPECIFICATIONS

SERIES	WL-SERIES Axial Version PLASTIC HOUSING	WL-SERIES Axial Version METAL HOUSING	WL-SERIES Radial Version PLASTIC HOUSING	WL-SERIES Radial Version METAL HOUSING
TYPE CODE: (NPN)	WL-DNPW1 IO□ WL-DNPW3 IO□	WL-DNMW1 IO□ WL-DNMW3 IO□ WL-DNMW4 IO□	WL-DNPW1 IO□V WL-DNPW3 IO□V	WL-DNMW1 IO□V WL-DNMW3 IO□V WL-DNMW4 IO□V
TYPE CODE: (PNP)	WL-DPPW1 IO□ WL-DPPW3 IO□	WL-DPMW1 IO□ WL-DPMW3 IO□ WL-DPMW4 IO□	WL-DPPW1 IO□V WL-DPPW3 IO□V	WL-DPMW1 IO□V WL-DPMW3 IO□V WL-DPMW4 IO□V
DETECTION RANGE	**□- S-200mm , U-400mm , L-800mm** 20x20cm Kodak white card		**□- S-160mm , U-320mm , L-600mm** 20x20cm Kodak white card	
SUPPLY VOLTAGE	DC10-30V ±10%,ripple(P--P):10%Max			
CURRENT CONSUMPTION	30mA Max			
MAX OUTPUT CURRENT	100mA Max			
RESPONSE TIME; SWITCHING FREQUENCY	Less Than 1.0 mS (ON+OFF) ; ≧1000 Hz			
CIRCUIT PROTECTION	1.Output Over Current Protection			
	2.Reverse-Polarity Protection			
	3.Interference Suppression			
OUTPUT TYPE	NPN or PNP Open Collector			
OPERATION MODE	Light-ON Dark-ON Selectable by Control Cable(White)			
INDICATOR	Yellow LED on,when light is received			
AMBIENT TEMPERATURE	Operating temperature:-25°C~55°C			
PROTECTION DEGREE	IP67			
EXTRANEOUS LIGHT LMMUNITY	LAMP LIGHT:3000 lux Max SUN LIGHT:10000lux Max			
HOUSING MATERIAL	ABS resin Lens:PMMA	BRASS,NI Plated Lens:PMMA	ABS resin Lens:PMMA	BRASS,NI Plated Lens:PMMA
CONNECTION	W1:2M cable(horizontal) ; W3:connected with PLASTIC socket ; W4:connected with METAL socket			

◎ Only for Adjustable Type

WIN LENK Automation Inc.

WL SERIES RETRO TRANSPARENT OBJECT TYPE



SPECIFICATIONS

SERIES	WL-SERIES Axial Version PLASTIC HOUSING	WL-SERIES Axial Version METAL HOUSING	WL-SERIES Radial Version PLASTIC HOUSING	WL-SERIES Radial Version METAL HOUSING
TYPE CODE: (NPN)	WL-RNPW1 POT WL-RNPW3 POT	WL-RNMW1 POT WL-RNMW3 POT WL-RNMW4 POT	WL-RNPW1 POTV WL-RNPW3 POTV	WL-RNMW1 POTV WL-RNMW3 POTV WL-RNMW4 POTV
TYPE CODE: (PNP)	WL-RPPW1 POT WL-RPPW3 POT	WL-RPMW1 POT WL-RPMW3 POT WL-RPMW4 POT	WL-RPPW1 POTV WL-RPPW3 POTV	WL-RPMW1 POTV WL-RPMW3 POTV WL-RPMW4 POTV
DETECTION RANGE	**1000mm(M46)** glass(t=1.0mm) 15x15cm		**500mm(M46)** glass(t=1.0mm) 15x15cm	
SUPPLY VOLTAGE	DC10-30V ±10%,ripple(P--P):10%Max			
CURRENT CONSUMPTION	30mA Max			
MAX OUTPUT CURRENT	100mA Max			
RESPONSE TIME; SWITCHING FREQUENCY	Less Than 1.0 mS (ON+OFF) ; ≧1000 Hz			
CIRCUIT PROTECTION	1.Output Over Current Protection			
	2.Reverse-Polarity Protection			
	3.Interference Suppression			
OUTPUT TYPE	NPN or PNP Open Collector			
OPERATION MODE	Light-ON Dark-ON Selectable by Control Cable(White)			
INDICATOR	Yellow LED on,when light is received			
AMBIENT TEMPERATURE	Operating temperature:-25°C~55°C			
PROTECTION DEGREE	IP67			
EXTRANEOUS LIGHT LMMUNITY	LAMP LIGHT:3000 lux Max SUN LIGHT:10000lux Max			
HOUSING MATERIAL	ABS resin Lens:PMMA	BRASS,NI Plated Lens:PMMA	ABS resin Lens:PMMA	BRASS,NI Plated Lens:PMMA
CONNECTION	W1:2M cable(horizontal) ; W3:connected with PLASTIC socket ; W4:connected with METAL socket			

◎ Only for Adjustable Type

WIN LENK Automation Inc.

WL SERIES POLARIZER RETRO TYPE



SPECIFICATIONS

SERIES	WL-SERIES Axial Version PLASTIC HOUSING	WL-SERIES Axial Version METAL HOUSING	WL-SERIES Radial Version PLASTIC HOUSING	WL-SERIES Radial Version METAL HOUSING
TYPE CODE: (NPN)	WL-RNPW1 PO WL-RNPW3 PO	WL-RNMW1 PO WL-RNMW3 PO WL-RNMW4 PO	WL-RNPW1 POV WL-RNPW3 POV	WL-RNMW1 POV WL-RNMW3 POV WL-RNMW4 POV
TYPE CODE: (PNP)	WL-RPPW1 PO WL-RPPW3 PO	WL-RPMW1 PO WL-RPMW3 PO WL-RPMW4 PO	WL-RPPW1 POV WL-RPPW3 POV	WL-RPMW1 POV WL-RPMW3 POV WL-RPMW4 POV
DETECTION RANGE	**1600mm(M46) , 2400mm(M51)**		**1200mm(M46) , 2000mm(M51)**	
SUPPLY VOLTAGE	DC10-30V ±10%,ripple(P--P):10%Max			
CURRENT CONSUMPTION	30mA Max			
MAX OUTPUT CURRENT	100mA Max			
RESPONSE TIME; SWITCHING FREQUENCY	Less Than 1.0 mS (ON+OFF) ; ≧1000 Hz			
CIRCUIT PROTECTION	1.Output Over Current Protection			
	2.Reverse-Polarity Protection			
	3.Interference Suppression			
OUTPUT TYPE	NPN or PNP Open Collector			
OPERATION MODE	Light-ON Dark-ON Selectable by Control Cable(White)			
INDICATOR	Yellow LED on,when light is received			
AMBIENT TEMPERATURE	Operating temperature:-25°C~55°C			
PROTECTION DEGREE	IP67			
EXTRANEOUS LIGHT LMMUNITY	LAMP LIGHT:3000 lux Max SUN LIGHT:10000lux Max			
HOUSING MATERIAL	ABS resin Lens:PMMA	BRASS,NI Plated Lens:PMMA	ABS resin Lens:PMMA	BRASS,NI Plated Lens:PMMA
CONNECTION	W1:2M cable(horizontal) ; W3:connected with PLASTIC socket ; W4:connected with METAL socket			

◎ Only for Adjustable Type

WIN LENK Automation Inc.

WL SERIES RETRO TYPE



SPECIFICATIONS

SERIES	WL-SERIES Axial Version PLASTIC HOUSING	WL-SERIES Axial Version METAL HOUSING	WL-SERIES Radial Version PLASTIC HOUSING	WL-SERIES Radial Version METAL HOUSING
TYPE CODE: (NPN)	WL-RNPW1 IO WL-RNPW3 IO	WL-RNMW1 IO WL-RNMW3 IO WL-RNMW4 IO	WL-RNPW1 IOV WL-RNPW3 IOV	WL-RNMW1 IOV WL-RNMW3 IOV WL-RNMW4 IOV
TYPE CODE: (PNP)	WL-RPPW1 IO WL-RPPW3 IO	WL-RPMW1 IO WL-RPMW3 IO WL-RPMW4 IO	WL-RPPW1 IOV WL-RPPW3 IOV	WL-RPMW1 IOV WL-RPMW3 IOV WL-RPMW4 IOV
DETECTION RANGE	**2000mm(M46) , 3000mm(M51)**		**1600mm(M46) , 2400mm(M51)**	
SUPPLY VOLTAGE	DC10-30V ±10%,ripple(P--P):10%Max			
CURRENT CONSUMPTION	30mA Max			
MAX OUTPUT CURRENT	100mA Max			
RESPONSE TIME; SWITCHING FREQUENCY	Less Than 1.0 mS (ON+OFF) ; ≧1000 Hz			
CIRCUIT PROTECTION	1.Output Over Current Protection			
	2.Reverse-Polarity Protection			
	3.Interference Suppression			
OUTPUT TYPE	NPN or PNP Open Collector			
OPERATION MODE	Light-ON Dark-ON Selectable by Control Cable(White)			
INDICATOR	Yellow LED on,when light is received			
AMBIENT TEMPERATURE	Operating temperature:-25°C~55°C			
PROTECTION DEGREE	IP67			
EXTRANEOUS LIGHT LMMUNITY	LAMP LIGHT:3000 lux Max SUN LIGHT:10000lux Max			
HOUSING MATERIAL	ABS resin Lens:PMMA	BRASS,NI Plated Lens:PMMA	ABS resin Lens:PMMA	BRASS,NI Plated Lens:PMMA
CONNECTION	W1:2M cable(horizontal) ; W3:connected with PLASTIC socket ; W4:connected with METAL socket			

◎ Only for Adjustable Type

WIN LENK Automation Inc.

WL SERIES THRU BEAM TYPE



SPECIFICATIONS

SERIES	WL-SERIES Axial Version PLASTIC HOUSING	WL-SERIES Axial Version METAL HOUSING	WL-SERIES Radial Version PLASTIC HOUSING	WL-SERIES Radial Version METAL HOUSING
TYPE CODE: (NPN)	WL-TNPW1 IO WL-TNPW3 IO	WL-TNMW1 IO WL-TNMW3 IO WL-TNMW4 IO	WL-TNPW1 IOV WL-TNPW3 IOV	WL-TNMW1 IOV WL-TNMW3 IOV WL-TNMW4 IOV
TYPE CODE: (PNP)	WL-TPPW1 IO WL-TPPW3 IO	WL-TPMW1 IO WL-TPMW3 IO WL-TPMW4 IO	WL-TPPW1 IOV WL-TPPW3 IOV	WL-TPMW1 IOV WL-TPMW3 IOV WL-TPMW4 IOV
DETECTION RANGE	**10000mm**		**8000mm**	
SUPPLY VOLTAGE	DC10-30V ±10%,ripple(P--P):10%Max			
CURRENT CONSUMPTION	40mA Max			
MAX OUTPUT CURRENT	100mA Max			
RESPONSE TIME; SWITCHING FREQUENCY	Less than 3.0mS(ON+OFF) 333Hz			
CIRCUIT PROTECTION	1.Output Over Current Protection			
	2.Reverse-Polarity Protection			
	3.Interference Suppression			
OUTPUT TYPE	NPN or PNP Open Collector			
OPERATION MODE	Light-ON Dark-ON Selectable by Control Cable(White)			
INDICATOR	Yellow LED on,when light is received			
AMBIENT TEMPERATURE	Operating temperature:-25°C~55°C			
PROTECTION DEGREE	IP67			
EXTRANEOUS LIGHT LMMUNITY	LAMP LIGHT:3000 lux Max SUN LIGHT:10000lux Max			
HOUSING MATERIAL	ABS resin Lens:PMMA	BRASS,NI Plated Lens:PMMA	ABS resin Lens:PMMA	BRASS,NI Plated Lens:PMMA
CONNECTION	W1:2M cable(horizontal) ; W3:connected with PLASTIC socket ; W4:connected with METAL socket			

◎ Only for Adjustable Type

WIN LENK Automation Inc.

WO AND WS NEAR RANGE (FIXED FOCUS) DIFFUSE TYPE





SPECIFICATIONS

SERIES	WS-SERIES	WO-SERIES PLASTIC HOUSING	WO-SERIES METAL HOUSING
TYPE CODE: (NPN)	WS-DNPW1 IOF WS-DNPW3 IOF	WO-DNPW1 IOF WO-DNPW2 IOF WO-DNPW3 IOF	WO-DNMW1 IOF WO-DNMW2 IOF WO-DNMW3 IOF
TYPE CODE: (PNP)	WS-DPPW1 IOF WS-DPPW3 IOF	WO-DPPW1 IOF WO-DPPW2 IOF WO-DPPW3 IOF	WO-DPMW1 IOF WO-DPMW2 IOF WO-DPMW3 IOF
DETECTION RANGE	**30mm**,20x20cm Kodak white card		
SUPPLY VOLTAGE	DC10-30V ±20%,ripple(P--P):10%Max		
CURRENT CONSUMPTION	30mA Max		
MAX OUTPUT CURRENT	100mA Max		
RESPONSE TIME; SWITCHING FREQUENCY	Less than 3.0mS(ON+OFF) 333Hz		
CIRCUIT PROTECTION	1.Output Over Current Protection		
	2.Reverse-Polarity Protection		
	3.Interference Suppression		
OUTPUT TYPE	NPN or PNP Open Collector		
OPERATION MODE	Light-ON Dark-ON Selectable by Control Cable(White)		
INDICATOR	Yellow LED on,when light is received		
AMBIENT TEMPERATURE	Operating temperature:-25°C~55°C		
PROTECTION DEGREE	IP66		
EXTRANEOUS LIGHT LMMUNITY	LAMP LIGHT:3000 lux Max SUN LIGHT:10000lux Max		
HOUSING MATERIAL	Housing and nut:ABS resin Lens:PMMA		Housing and nut:BRASS,NI Plated Lens:PMMA
CONNECTION	W1:cable(horizontal) W3:connected with socket	W1: cable(horizontal) W2: cable(vertical) W3:connected with socket	

WIN LENK Automation Inc.

WO AND WS DIFFUSE TYPE







SPECIFICATIONS

SERIES	WS-SERIES	WO-SERIES PLASTIC HOUSING	WO-SERIES METAL HOUSING
TYPE CODE: (NPN)	WS-DNPW1 IO□ WS-DNPW3 IO□	WO-DNPW1 IO□ WO-DNPW2 IO□ WO-DNPW3 IO□	WO-DNMW1 IO□ WO-DNMW2 IO□ WO-DNMW3 IO□
TYPE CODE: (PNP)	WS-DPPW1 IO□ WS-DPPW3 IO□	WO-DPPW1 IO□ WO-DPPW2 IO□ WO-DPPW3 IO□	WO-DPMW1 IO□ WO-DPMW2 IO□ WO-DPMW3 IO□
DETECTION RANGE	**□- S-200mm , U-400mm , L-800mm** , 20x20cm Kodak white card		
SUPPLY VOLTAGE	DC10-30V ±20%,ripple(P--P):10%Max		
CURRENT CONSUMPTION	30mA Max		
MAX OUTPUT CURRENT	100mA Max		
RESPONSE TIME; SWITCHING FREQUENCY	Less than 3.0mS(ON+OFF) 333Hz		
CIRCUIT PROTECTION	1.Output Over Current Protection		
	2.Reverse-Polarity Protection		
	3.Interference Suppression		
OUTPUT TYPE	NPN or PNP Open Collector		
OPERATION MODE	Light-ON Dark-ON Selectable by Control Cable(White)		
INDICATOR	Yellow LED on,when light is received		
AMBIENT TEMPERATURE	Operating temperature:-25°C~55°C		
PROTECTION DEGREE	IP66		
EXTRANEOUS LIGHT LMMUNITY	LAMP LIGHT:3000 lux Max SUN LIGHT:10000lux Max		
HOUSING MATERIAL	Housing and nut:ABS resin Lens:PMMA		Housing and nut:BRASS,NI Plated Lens:PMMA
CONNECTION	W1:cable(horizontal) W3:connected with socket	W1: cable(horizontal) W2: cable(vertical) W3:connected with socket	

WIN LENK Automation Inc.

WO AND WS POLARIZER-RRTRO-REFLECTIVE TYPE







SPECIFICATIONS

SERIES	WS-SERIES	WO-SERIES PLASTIC HOUSING	WO-SERIES METAL HOUSING
TYPE CODE: (NPN)	WS-RNPW1 PO WS-RNPW3 PO	WO-RNPW1 PO WO-RNPW2 PO WO-RNPW3 PO	WO-RNMW1 PO WO-RNMW2 PO WO-RNMW3 PO
TYPE CODE: (PNP)	WS-RPPW1 PO WS-RPPW3 PO	WO-RPPW1 PO WO-RPPW2 PO WO-RPPW3 PO	WO-RPMW1 PO WO-RPMW2 PO WO-RPMW3 PO
DETECTION RANGE	**1200mm(M46) , 2000mm(M51)**		
SUPPLY VOLTAGE	DC10-30V ±20%,ripple(P--P):10%Max		
CURRENT CONSUMPTION	30mA Max		
MAX OUTPUT CURRENT	100mA Max		
RESPONSE TIME; SWITCHING FREQUENCY	Less than 3.0mS(ON+OFF) 333Hz		
CIRCUIT PROTECTION	1.Output Over Current Protection		
	2.Reverse-Polarity Protection		
	3.Interference Suppression		
OUTPUT TYPE	NPN or PNP Open Collector		
OPERATION MODE	Light-ON Dark-ON Selectable by Control Cable(White)		
INDICATOR	Yellow LED on,when light is received		
AMBIENT TEMPERATURE	Operating temperature:-25°C~55°C		
PROTECTION DEGREE	IP66		
EXTRANEOUS LIGHT LMMUNITY	LAMP LIGHT:3000 lux Max SUN LIGHT:10000lux Max		
HOUSING MATERIAL	Housing and nut:ABS resin Lens:PMMA		Housing and nut:BRASS,NI Plated Lens:PMMA
CONNECTION	W1:cable(horizontal) W3:connected with socket	W1: cable(horizontal) W2: cable(vertical) W3:connected with socket	

WIN LENK Automation Inc.

WO AND WS RRTRO-REFLECTIVE TYPE







SPECIFICATIONS

SERIES	WS-SERIES	WO-SERIES PLASTIC HOUSING	WO-SERIES METAL HOUSING
TYPE CODE: (NPN)	WS-RNPW1 IO WS-RNPW3 IO	WO-RNPW1 IO WO-RNPW2 IO WO-RNPW3 IO	WO-RNMW1 IO WO-RNMW2 IO WO-RNMW3 IO
TYPE CODE: (PNP)	WS-RPPW1 IO WS-RPPW3 IO	WO-RPPW1 IO WO-RPPW2 IO WO-RPPW3 IO	WO-RPMW1 IO WO-RPMW2 IO WO-RPMW3 IO
DETECTION RANGE	**2000mm(M46) , 3000mm(M51)**		
SUPPLY VOLTAGE	DC10-30V ±20%,ripple(P--P):10%Max		
CURRENT CONSUMPTION	30mA Max		
MAX OUTPUT CURRENT	100mA Max		
RESPONSE TIME; SWITCHING FREQUENCY	Less than 3.0mS(ON+OFF) 333Hz		
CIRCUIT PROTECTION	1.Output Over Current Protection		
	2.Reverse-Polarity Protection		
	3.Interference Suppression		
OUTPUT TYPE	NPN or PNP Open Collector		
OPERATION MODE	Light-ON Dark-ON Selectable by Control Cable(White)		
INDICATOR	Yellow LED on,when light is received		
AMBIENT TEMPERATURE	Operating temperature:-25°C~55°C		
PROTECTION DEGREE	IP66		
EXTRANEOUS LIGHT LMMUNITY	LAMP LIGHT:3000 lux Max SUN LIGHT:10000lux Max		
HOUSING MATERIAL	Housing and nut:ABS resin Lens:PMMA		Housing and nut:BRASS,NI Plated Lens:PMMA
CONNECTION	W1:cable(horizontal) W3:connected with socket	W1: cable(horizontal) W2: cable(vertical) W3:connected with socket	

WIN LENK Automation Inc.

WO AND WS THRU-BEAM TYPE



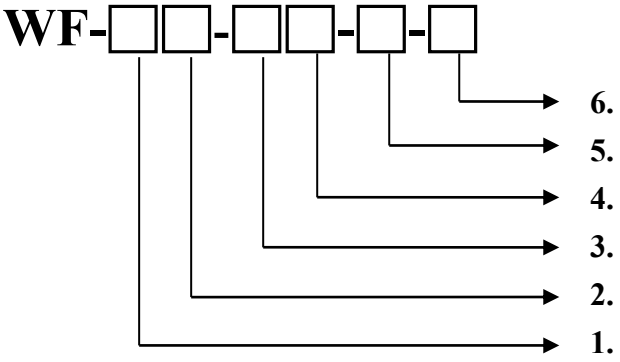




SPECIFICATIONS

SERIES	WS-SERIES	WO-SERIES PLASTIC HOUSING	WO-SERIES METAL HOUSING
TYPE CODE: (NPN)	WS-TNPW1 IO WS-TNPW3 IO	WO-TNPW1 IO WO-TNPW2 IO WO-TNPW3 IO	WO-TNMW1 IO WO-TNMW2 IO WO-TNMW3 IO
TYPE CODE: (PNP)	WS-TPPW1 IO WS-TPPW3 IO	WO-TPPW1 IO WO-TPPW2 IO WO-TPPW3 IO	WO-TPMW1 IO WO-TPMW2 IO WO-TPMW3 IO
DETECTION RANGE	**8000mm**		
SUPPLY VOLTAGE	DC10-30V ±20%,ripple(P--P):10%Max		
CURRENT CONSUMPTION	40mA Max		
MAX OUTPUT CURRENT	100mA Max		
RESPONSE TIME; SWITCHING FREQUENCY	Less than 3.0mS(ON+OFF) 333Hz		
CIRCUIT PROTECTION	1.Output Over Current Protection		
	2.Reverse-Polarity Protection		
	3.Interference Suppression		
OUTPUT TYPE	NPN or PNP Open Collector		
OPERATION MODE	Light-ON Dark-ON Selectable by Control Cable(White)		
INDICATOR	Yellow LED on,when light is received		
AMBIENT TEMPERATURE	Operating temperature:-25°C~55°C		
PROTECTION DEGREE	IP66		
EXTRANEOUS LIGHT LMMUNITY	LAMP LIGHT:3000 lux Max SUN LIGHT:10000lux Max		
HOUSING MATERIAL	Housing and nut:ABS resin Lens:PMMA		Housing and nut:BRASS,NI Plated Lens:PMMA
CONNECTION	W1:cable(horizontal) W3:connected with socket	W1: cable(horizontal) W2: cable(vertical) W3:connected with socket	

FIBER-OPTIC CABLE TYPE CODE



1. Sensing Mode:

R-reflective T-thru beam

2. Fiber Optic Cable Type:

E-0.25mm/1.0Ø

C4-multiple core 0.25mm x 4/1.0Ø

Z-0.5mm/1.0Ø

C-coaxial 0.25mm x 9/1.25Ø x 1

Y2-1.0mm/1.3Ø

C-coaxial 0.25mm x 16/2.2Ø x 1

Y-1.0mm/2.2Ø

X-1.5mm/2.2Ø

3. Shape of Head:

6-diameter M6,Ø6 5-diameter M5,Ø5

4-diameter M4,Ø4 3-diameter M3,Ø3

2-diameter M2,Ø2 1-diameter M1.4,Ø1.4

Na…z-abnormal shape

4. Fiber Length:

10-1000mm 20-2000mm

5. Sleeve Length:

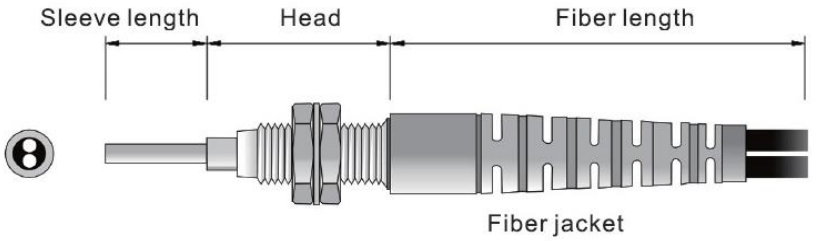
I-10mm S-20mm

M-40mm L-90mm

6. Specific Function

Q-no screw thread H-heat resistant…115℃

B-flexible fiber D-side view



WIN LENK Automation Inc.

WL SERIES FIBER AMPLIFIER TYPE

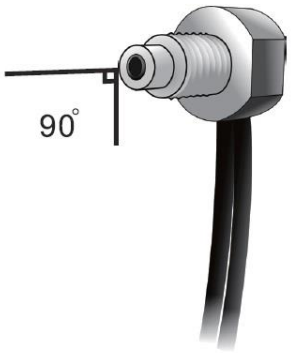


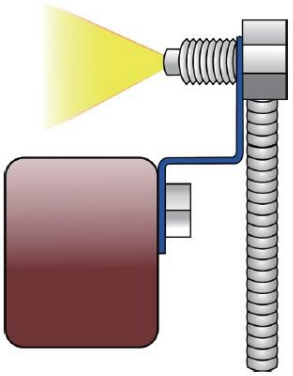
SPECIFICATIONS

SERIES	WL-SERIES PLASTIC HOUSING	WL-SERIES METAL HOUSING
TYPE CODE: (NPN)	WL-FNPW1 RO WL-FNPW3 RO	WO-FNMW1 RO WO-FNMW3 RO WO-FNMW4 RO
TYPE CODE: (PNP)	WL-FPPW1 RO WL-FPPW3 RO	WO-FPMW1 RO WO-FPMW3 RO WO-FPMW4 RO
DETECTION RANGE		
SUPPLY VOLTAGE	DC10-30V ±10%,ripple(P--P):10%Max	
CURRENT CONSUMPTION	30mA Max	
MAX OUTPUT CURRENT	100mA Max	
RESPONSE TIME; SWITCHING FREQUENCY	Less Than 1.0 mS (ON+OFF) ; ≧1000 Hz	
CIRCUIT PROTECTION	1.Output Over Current Protection	
	2.Reverse-Polarity Protection	
	3.Interference Suppression	
OUTPUT TYPE	NPN or PNP Open Collector	
OPERATION MODE	Light-ON Dark-ON Selectable by Control Cable(White)	
INDICATOR	Yellow LED on,when light is received	
AMBIENT TEMPERATURE	Operating temperature:-25°C~55°C	
PROTECTION DEGREE		
EXTRANEOUS LIGHT LMMUNITY	LAMP LIGHT:3000 lux Max SUN LIGHT:10000lux Max	
HOUSING MATERIAL	ABS resin	BRASS,NI Plated
CONNECTION	W1:2M cable(horizontal) ; W3:connected with PLASTIC socket ; W4:connected with METAL socket	

◎ Only for Adjustable Type

WFRY-Nb10-BD

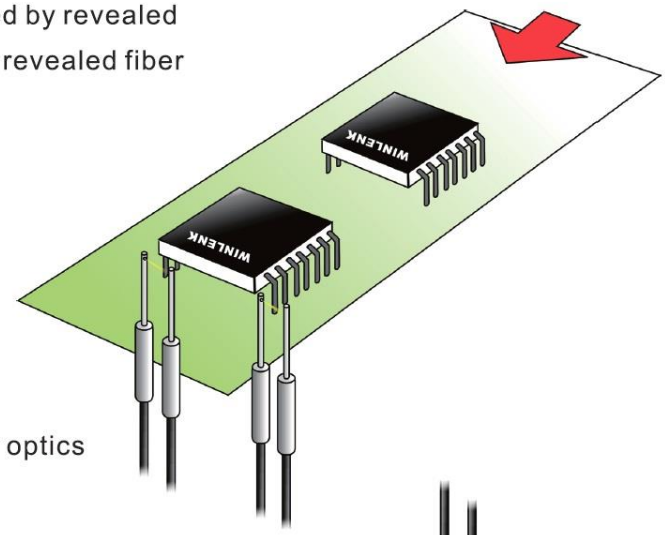




Characteristics

- Diffuse and ThruBeam sensing fiber optics with a hexagonal head
- Fiber at a 90 degrees right angle
- Space-saving and easy to install (a nut is enough for installation)
- Strong fiber wrapped in a metal protective tube or flexible wire to avoid danger caused by revealed fiber or trouble from the winding of revealed fiber

WFTZ-210-QD



Characteristics

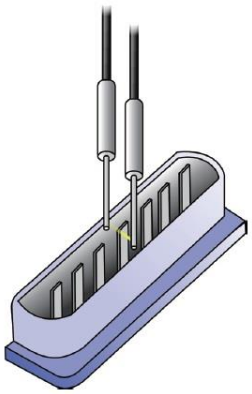
- Side-view ThruBeam sensing fiber optics
- Ideal for narrow space

Dimension

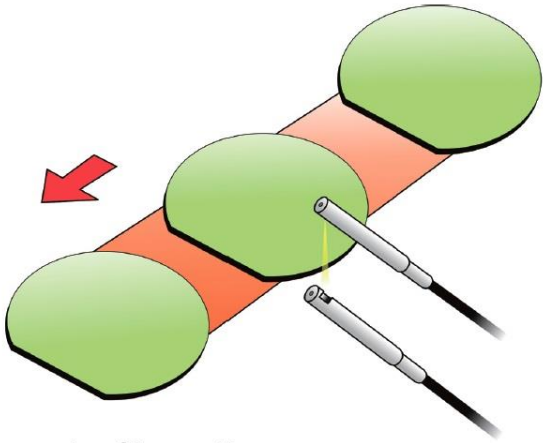
- Sleeve diameter: 0.9mm
- Beam axis diameter: 0.6mm

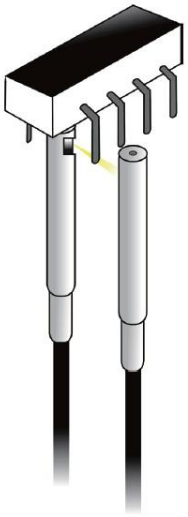
Application

- Detection of IC pins to prevent mounting failure caused by bent IC pins
- Detection of defective products by counting the number of pins



WFTY-Nb10-QHD





Characteristics

- Side-view ThruBeam sensing fiber optics
- Space-saving
- Reliable high-speed detection

Application

- Counting the number of the IC pins mounted on a circuit board
- Detection of IC pins on the circuit board to see if they are correctly mounted

WFN-01

Characteristics

- Fiber optics cutter performing clean cut
- 8 holes for different diameters

Dimension

- 42.2 x 24.5 mm
- Thickness: 8mm
- 4 holes for standard diameter: 2.2mm
- 2 holes for smaller diameter: 1.0mm
- 2 holes for special-type fiber optics

