MULTIPLE OPTIONS IN AN INDUSTRY-STANDARD HOUSING



OUTPUT ONE SENS

"4-IN-1" OUTPUT

Reduce your inventory by having one sensor replace four with Pepperl+Fuchs' 4-in-1 output. The 4-in-1 technology offers a normally open and a normally closed output, which will automatically detect the connected load. A single sensor can operate in NPN normally open, NPN normally closed, PNP normally open, or PNP normally closed. No external wiring to select the mode. No sinking or sourcing confusion.





UNIVERSAL POWER SUPPLY

With both DC and AC/DC models, whatever your application, RL(K) 61 has you covered. These flexible sensors offer a built-in SPDT relay in AC/DC models and a 4-in-1 output in DC models.

ACCESSORIES

Simplify your installation with Pepperl+Fuchs' accessories. From simple mounting solutions to cordsets and reflectors, our broad range of accessories will complement and extend the capability of your Series 61 photoelectric sensor.



FACTORY AUTOMATION – SENSING YOUR NEEDS



Pepperl+Fuchs sets the standard in quality and innovative technology for the world of automation. Our expertise, dedication, and heritage of innovation have driven us to develop the largest and most versatile line of industrial sensor technologies and interface components in the world. With our global presence, reliable service, and flexible production facilities, Pepperl+Fuchs delivers complete solutions for your automation requirements—wherever you need us.



Worldwide Headquarters

Pepperl+Fuchs GmbH · Mannheim · Germany E-mail: fa-info@de.pepperl-fuchs.com

USA Headquarters

Pepperl+Fuchs Inc. · Twinsburg · USA E-mail: fa-info@us.pepperl-fuchs.com

Asia Pacific Headquarters

Pepperl+Fuchs Pte Ltd · Singapore Company Registration no. 199003130E E-mail: fa-info@sg.pepperl-fuchs.com



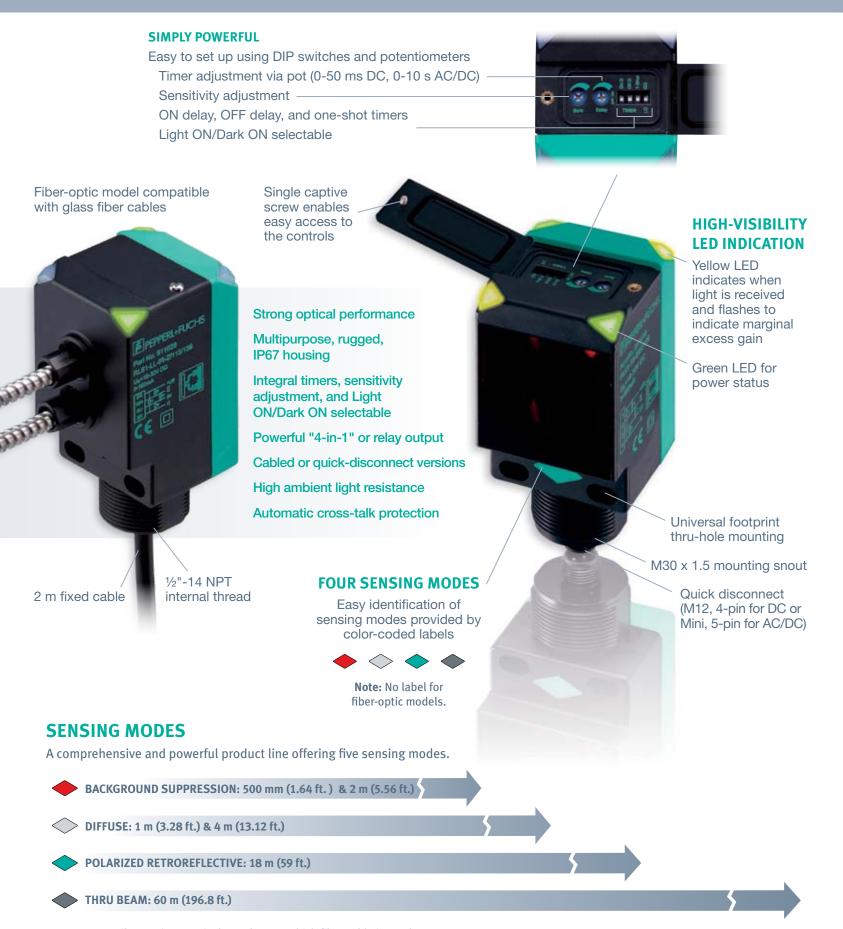








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COMMON SPECIFICATIONS

Reverse Polarity Protection

Current/Power Consumption

Voltage Drop

Supply Voltage

Voltage Ripple

Response Time

Light Source

Protection (IEC)

Ambient Light Resistance

emperature Range

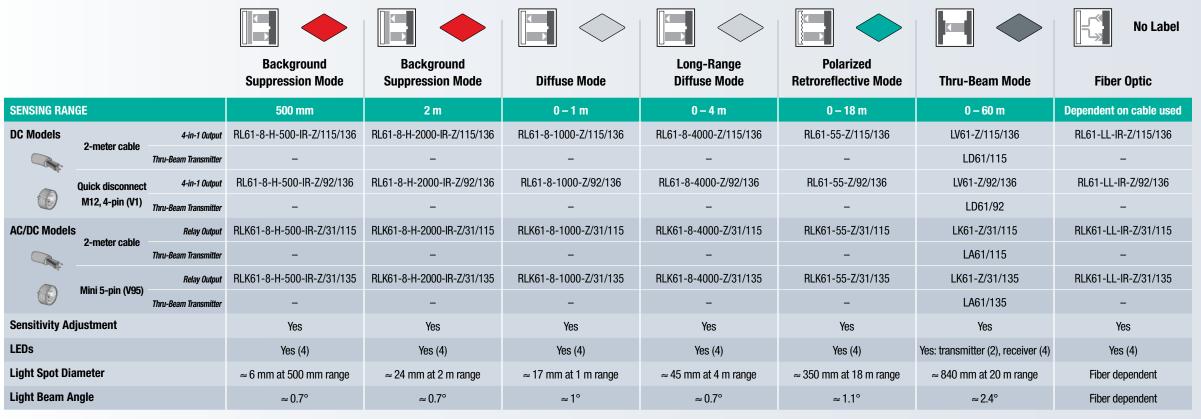
Housing Material

Standards

Switching Frequency

Load Current/Electrical Contact Rating

Short Circuit And Overload Protection



AC/DC Models

24-240 VAC/12-240 VDC

≤ 2 VA ≤ 25 ms

20 Hz

Infrared or Visible Red (Retroreflective) LED

EN 60947-5-2

≤ 40,000 lux

-22 °F to +131 °F

-40 °F to +158 °F Plastic

PMMA

3 A max.

DC Models

100 mA max.

≤ 2.5 VDC

Yes

10-30 VDC

10%

≤ 40 mA

≤ 1 ms 500 Hz

Lens

PRODUCT DIMENSION	S O		DIP-switch adjuster range adjuster	LED-Operate Display LED-Switch Status	•	LED-Switch Status TOP VIEW LED-Operate Display
SIDE VIEW	45 88 2 24.69 32.1	FRONT VIEW Receiver Emitter	SIDE VIEW	56 56 56 56 56 56 56 56 56 56 56 56 56 5	45 45 24.69 32.1	Receiver Emitter 5.5 x 9.2 slots Internal thread (1/2-14NPT) External thread (M30 x 1.5)
ø 6 mm Cable	7/8-16UN CONNECTION (OPTIONS	M12 x 1)		BOTTOM VIEW Dimensions (mm)

ELECTRICAL CONNECTIONS

LD61 - Transmitte

LA61 - Transmitter

Option/135

DC MODELS

AC/DC MODELS

RL61

LK61