



Wzmacniacze światłowodowe

WLL170-2P490



Nazwa modelu > [WLL170-2P490](#)

Numer części > [6029522](#)



At a glance

- Rapid response time (50 μ s)
- Switching threshold adjustment via potentiometer or teach-in via button or cable
- Four different teach-in modes
- Simple installation
- Red or green emitter LED

Your benefits

- Reliable detection of rapid processes
- Short commissioning time saves on installation costs
- The optimum setting for every application due to different teach-in modes, making the sensor customized to the specific application
- Ideal emitted light for color or contrast detection
- Fiber optics sensor with simple handling thanks to setting via potentiometer and switch



Cechy

Wymiary (Szer. x Wys. x Głęb.):	10,5 mm x 35,5 mm x 83,7 mm
Maks. strefa działania:	0 mm ... 1.700 mm, through-beam system, LL3-TB02 and tip adapter LL3-TA01
Sensing range:	0 mm ... 45 mm, proximity system 0 ... 350 mm, through-beam system, LL3-TB01 ¹⁾
Nadajnik światła:	LED ²⁾
Rodzaj światła:	Światło zielone
Długość fali:	520 nm
Nastawa:	adjustable
Nastawienie czułości:	adjustable Potentiometer, 10 revolutions ³⁾
Typ czasu:	Off-delayed
Czas opóźnienia:	selectable by sliding switch: ≥ 40 ms
Indication:	LED
Zasada działania czujnika/Sposób detekcji:	Fiber-optic photoelectric sensor

With correctly attached fibre-optic cable LL3 and closed protection hood;

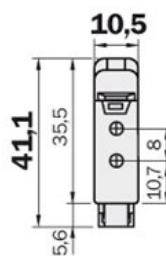
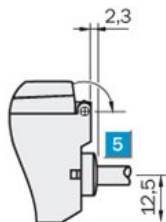
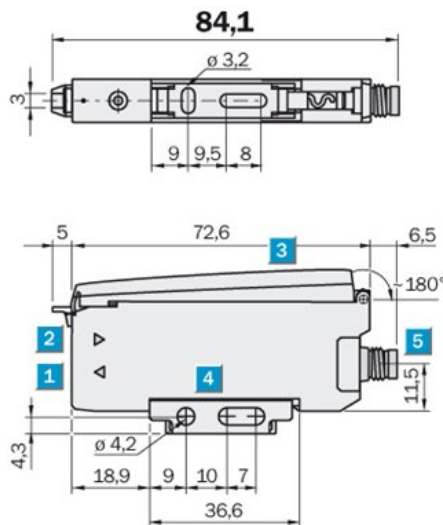
1) 3) ²⁾ Average service life 100,000 h at Ta = +25 °C

Mechanika/elektronika

Rodzaj zabezpieczenia:	IP 66
Napięcie zasilania:	10 V DC ... 30 V DC ¹⁾
Tętnienia resztkowe:	10 % ²⁾
Pobór prądu:	≤ 30 mA ³⁾
Wyjście przełączające:	PNP, przełączanie jasno/ciemno, wybierane, selectable via light/dark selector, open collector
Output current I _{max} ..:	≤ 100 mA
Czas reakcji:	≤ 0,25 ms ⁴⁾
Switching frequency:	2.000 Hz with light/dark ratio 1:1
Typ połączenia:	Wtyk M8, 4-pinowe
Ilość żył:	4
Klasa ochronności:	III
Układ zabezpieczenia:::::	A B C 5) 6) 7) 8) D
Tworzywo, obudowa:	ABS/PC
Ambient temperature, operation:	-25 °C ... 55 °C
Ambient temperature, storage:	-40 °C ... 70 °C

¹⁾ Limit values ²⁾ May not exceed or fall short of V ³⁾ Without load ⁴⁾ Signal transit time with resistive load ⁵⁾ A = VS connections reverse-polarity protected ⁶⁾ B = inputs and output reverse-polarity protected ⁷⁾ C = interference suppression ⁸⁾ D = outputs overcurrent and short-circuit protected

Rysunek techniczny



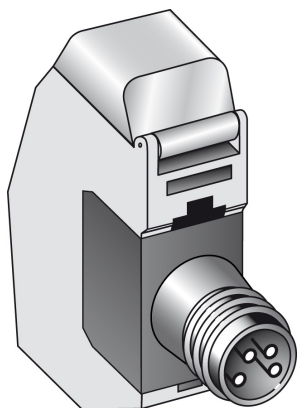
- [1] Nadajnik
- [2] Receiver, installation of LL3 fibre optic cable (receiver fibre)
- [3] Protective hood, can be raised at both ends
- [4] Mounting bracket, included
- [5] Connection

Możliwość dostosowania

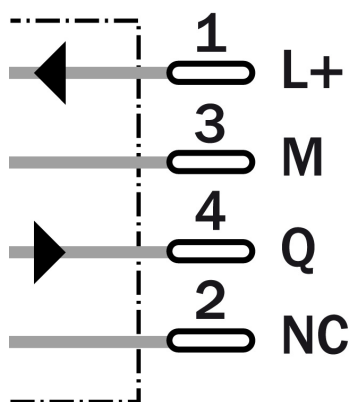


- [6] Indication of correct fibre-optic cable mounting
- [7] LED indicator orange, lights up when switching output is active
- [8] LED signal strength indicator green, lights up, when light received < 0.9 or > 1.1 (switching threshold = 1)
- [9] Sensitivity scale 270°
- [10] Sensitivity control (10 revolutions)
- [11] L.ON/ d.ON selection switch. "OFF DLY" (on) / "OFF", 40 ms fixed
- [12] Selector switch: "L.ON" (light-switching) / "D.ON" (dark-switching)

Typ połączenia



Schemat połączenia



Australia

Phone +61 3 9497 4100
1800 334 802 – tollfree
E-Mail sales@sick.com.au

Belgium/Luxembourg

Phone +32 (0)2 466 55 66
E-Mail info@sick.be

Brasil

Phone +55 11 3215-4900
E-Mail sac@sick.com.br

Canada

Phone +1(952) 941-6780
1 800-325-7425 – tollfree
E-Mail info@sickusa.com

Ceská Republika

Phone +420 2 57 91 18 50
E-Mail sick@sick.cz

China

Phone +852-2763 6966
E-Mail ghk@sick.com.hk

Danmark

Phone +45 45 82 64 00
E-Mail sick@sick.dk

Deutschland

Phone +49 211 5301-301
E-Mail kundenservice@sick.de

España

Phone +34 93 480 31 00
E-Mail info@sick.es

France

Phone +33 1 64 62 35 00
E-Mail info@sick.fr

Great Britain

Phone +44 (0)1727 831121
E-Mail info@sick.co.uk

India

Phone +91-22-4033 8333
E-Mail info@sick-india.com

Israel

Phone +972-4-999-0590
E-Mail info@sick-sensors.com

Italia

Phone +39 02 27 43 41
E-Mail info@sick.it

Japan

Phone +81 (0)3 3358 1341
E-Mail support@sick.jp

Magyarország

Phone +36 1 371 2680
E-Mail office@sick.hu

Nederlands

Phone +31 (0)30 229 25 44
E-Mail info@sick.nl

Norge

Phone +47 67 81 50 00
E-Mail austefjord@sick.no

Österreich

Phone +43 (0)22 36 62 28 8-0
E-Mail office@sick.at

Polska

Phone +48 22 837 40 50
E-Mail info@sick.pl

România

Phone +40 356 171 120
E-Mail office@sick.ro

Russia

Phone +7 495 775 05 30
E-Mail info@sick.ru

Schweiz

Phone +41 41 619 29 39
E-Mail contact@sick.ch

Singapore

Phone +65 6744 3732
E-Mail admin@sicksgp.com.sg

South Africa

Phone +27 11 472 3733
E-Mail info@sickautomation.co.za

South Korea

Phone +82-2 786 6321/4
E-Mail info@sickkorea.net

Slovenija

Phone +386 (0)1-47 69 990
E-Mail office@sick.si

Suomi

Phone +358-9-25 15 800
E-Mail sick@sick.fi

Sverige

Phone +46 10 110 10 00
E-Mail info@sick.se

Taiwan

Phone +886 2 2375-6288
E-Mail sales@sick.com.tw

Türkiye

Phone +90 216 528 50 00
E-Mail info@sick.com.tr

United Arab Emirates

Phone +971 4 8865 878
E-Mail info@sick.ae

USA/México

Phone +1(952) 941-6780
1 800-325-7425 – tollfree
E-Mail info@sickusa.com

More representatives and agencies
at www.sick.com