WLL190

The smart solution when high performance is required

SICK
Sensor Intelligence.

WLL190

Technical data overview

Dimensions (W x H x D)	10.5 mm x 34.8 mm x 76.5 mm 10.5 mm x 34.8 mm x 68.9 mm
Light source	LED
Type of light	Visible red light Visible green light Infrared light (depending on type)
Enclosure rating	IP66 IP50 IP54 (depending on type)
Housing material	Plastic
Adjustment	Menu-controlled Teach-in button Cable (depending on type)
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Product description

The WLL190 features two independently programmable channels (switching thresholds) as well as an additional analog output that allows the user to output object properties such as opacity, transmission, positioning or size differences to a controller. Due to the IP 66 enclosure rating, the WLL190 can be operated directly in damp or dusty environments. Another highlight of this high-end product family: The devices can be operated either as a single sensor or in a sensor group. For this purpose, the devices have integrated bus technology that allows up to 16 sensors to be cascaded without interference when plugged in. This saves time and effort for wiring, also enabling the settings on one WLL190 to be copied to all other devices on the bus.

At a glance

- Sensing range up to 4 m, sensing distance up to 480 mm
- Two separately adjustable channels
- Alarm output
- Optional analog output
- Integrated counter
- Bus-compatible with anti-interference
- 2 x 4-digit display
- Red and green LED emitter

Your benefits

- Two channels can be configured independently of one another, simplifying installation
- Simple commissioning and product changeover via external teach-in
- Bus communication saves space and money, reduces wiring and eliminates interference caused by fiber-optic heads mounted close to one another
- Easy monitoring of process parameters
- Time delays can be adjusted individually to suit the application
- APC for (Automatic Power Correction) long-term, stable detection
- Alarm output for reliable detection in adverse conditions, ensuring high process reliability

Ordering information

Other models and accessories → www.sick.com/WLL190

- **Switching mode:** Light/dark switching

Sensing range max.	Connection type	Enclosure rating	Adjustment	Type	Part no.
–	Male connector M8, 4-pin	IP66	Teach-in button, cable	WLL190T-2P474	6037985
2 ... 4 m	Cable, 2-wire	IP50	Menu-controlled, Teach-in button, cable	WLL190T-2E232	6032572
				WLL190T-2F232	6032571
	Cable, 4-wire	IP50	Menu-controlled, Teach-in button, cable	WLL190T-2E292	6032580
				WLL190T-2F292	6032579
				WLL190T-2L432	6033291
				WLL190T-2L492	6033297
				WLL190T-2M432	6033290
				WLL190T-2M492	6033296
		IP66	Menu-controlled, Teach-in button, cable	WLL190T-2N432	6032552
				WLL190T-2N492	6032560
				WLL190T-2N532	6032558
				WLL190T-2P432	6032551
				WLL190T-2P492	6032559
				WLL190T-2P532	6032557
2 ... 4 m	Cable, 4-wire	IP66	Menu-controlled, Teach-in button, cable	WLL190T-2P532S02	6048196
				WLL190T-2P592	6037659
	Connector M8, 3-pin	IP50	Teach-in button	WLL190T-2E333	6032570
				WLL190T-2E393	6032578
				WLL190T-2F333	6032569
				WLL190T-2F393	6032577
				WLL190T-2L333	6033295
				WLL190T-2L393	6033301
				WLL190T-2M333	6033294
				WLL190T-2M393	6033300

Sensing range max.	Connection type	Enclosure rating	Adjustment	Type	Part no.
		IP66	Teach-in button	WLL190T-2N333	6032556
				WLL190T-2N393	6032564
				WLL190T-2P333	6032555
				WLL190T-2P393	6032563
	Male connector M8, 4-pin	IP50	Menu-controlled, Teach-in button, cable	WLL190T-2E434	6032568
				WLL190T-2E494	6032576
				WLL190T-2F434	6032567
				WLL190T-2F494	6032575
				WLL190T-2L434	6033293
				WLL190T-2L494	6033299
				WLL190T-2M434	6033292
				WLL190T-2M494	6033298
		IP54	Menu-controlled, Teach-in button, cable	WLL190T-2F434S01	6042525
				WLL190T-2M434S01	6042524
		IP66	Menu-controlled, Teach-in button, cable	WLL190T-2N434	6032554
				WLL190T-2N434P02	1048383
				WLL190T-2N494	6032562
				WLL190T-2P434	6032553
				WLL190T-2P434P01	1047441
				WLL190T-2P494	6032561

SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is "Sensor Intelligence."

WORLDWIDE PRESENCE:

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