W18-2

Photoelectric proximity sensor with V-optics for reliable detection of highly reflective objects

PHOTOELECTRIC SENSORS

SICK
Sensor Intelligence.

Technical data overview

Dimensions (W x H x D)	20 mm x 76 mm x 31.5 mm
Light source	LED
Type of light	Infrared light
Enclosure rating	IP67
Housing material	Plastic
Adjustment	Potentiometer

Product description

The WTV18-2 photoelectric proximity sensor is a background suppression sensor with V-optics. It has been specially developed for reliable detection of highly reflective objects not only because of its V-optics, but also due to the large distance between sender and receiver. These sensors accommodate both short and longer sensing distances.

At a glance

• High-performance background suppression with large sender/receiver distance and special V-optics
• Variants available for short and longer sensing distances
• Sensing range adjustment via potentiometer
• Connection: M12, 4-pin

Your benefits

• High-performance background suppression with large transmitter/receiver distance and special V-optics ensure reliable object detection
• Reliable detection especially of objects with highly reflective surfaces
• Less downtime in industrial environments

Ordering information

Other models and accessories ➜ www.sick.com/W18-2

• **Functional principle:** Photoelectric proximity sensor
• **Functional principle detail:** Background suppression
• **Light source:** LED
• **Voltage type:** DC
• **Switching mode:** Light/dark switching
• **Type of light:** Infrared light

Sensing range max.	Switching output	Adjustment	Connection type	Type	Part no.
10 mm ... 1,600 mm	PNP	Potentiometer	Male connector M12, 4-pin	WTV18-2P420S02	1047134
300 mm ... 1,400 mm	PNP	Potentiometer	Male connector M12, 4-pin	WTV18-2P420S01	1043923

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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