W100-2

Versatile miniature photoelectric sensors with large sensing ranges

SICK
Sensor Intelligence.

W100-2

Product description

W100-2 miniature photoelectric sensors are compatible with all standard detection principles (through-beam photoelectric sensors, photoelectric retro-reflective sensors, photoelectric retro-reflective sensors for detecting transparent objects, energetic sensors, and sensors with background blanking), making them an ideal sensor family for detection applications.
The housing design includes M3 threaded mounting holes, spaced one inch apart, that allows for straightforward, standardized, and inexpensive mounting.
As a result, the W100-2 product family offers an economical photoelectric sensor solution with outstanding performance.

At a glance

- Reliable detection behavior, rugged housing and immunity to ambient light
- WT100-2 photoelectric proximity sensor (energetic or with background blanking)
- WL100-2 photoelectric retro-reflective sensor; variant available for detecting transparent objects
- WS/WE100-2 through-beam photoelectric sensor
- Various connection types available (standard: 2 m cable; M8 male connector, 3-pin; M8 male connector, 4-pin; male cable connector available on request)
- Light/dark switching and sensitivity adjustment possible
- Wide range of accessories

Your benefits

- Reliable detection in standard applications
- Short downtime and high throughput thanks to reliable object detection
- Ability to handle a wide range of detection principles within a single standardized housing, reducing the number of model variants
- Simple commissioning thanks to easily visible display LEDs
- Easy to set up thanks to user-friendly potentiometer (dependent on model)
- Standard housing that is compatible with many commonly used mounting systems
- Easy mounting thanks to 1-inch hole spacing
- High level of operating reserve minimizes susceptibility to contamination

Fields of application

- Wide range of standard applications that require efficient miniature photoelectric sensors
- Storage and conveyor systems in the logistics industry
- Detection of a wide variety of objects in packaging processes
- Reliable detection of people in door and gate applications

Ordering information

Other models and accessories ➜ www.sick.com/W100-2

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:

Contacts and other locations –**www.sick.com**

SICK AG | Waldkirch | Germany | www.sick.com

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