

**PRK 28 Retro-reflective photoelectric sensor for semi-transparent media**

en 01-2015/11 50130116

**Remarks**

- You can find detailed information on your sensor at [www.leuze.com](http://www.leuze.com)  
Enter the **part no.** of your sensor in the "**Enter search term**" field and click on the desired sensor in the search results list. The detailed information on your sensor including the available downloads are displayed here.

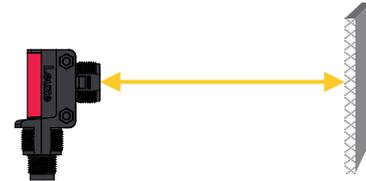
**Operate in accordance with intended use!**

- ⚠ This product is not a safety sensor and is not intended as personnel protection.
- ⚠ The product may only be put into operation by competent persons.
- ⚠ Only use the product in accordance with the intended use.

**Sensor adjustment (teach) via teach button**



- The sensor is factory-adjusted for maximum operating range. Recommendation: teach only if the desired objects are not reliably detected.
- **Prior to teaching:**  
**Clear the light path to the reflector!**  
The device setting is stored in a fail-safe way. A reconfiguration following voltage interruption or switch-off is thus not required.



**Standard teaching for average sensor sensitivity**

- Press teach button until both LEDs flash **simultaneously**.
- Release teach button.
- Ready.



After the standard teaching, the sensor switches when half of the light beam is covered by the object.



**Teaching for increased sensor sensitivity**

- Press teach button until both LEDs flash **alternatingly**.
- Release teach button.
- Ready.

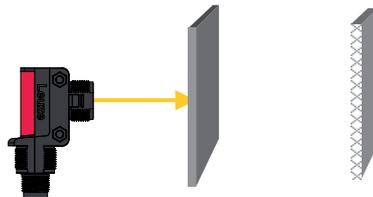


After the teaching for increased sensor sensitivity, the sensor switches when about 25% of the light beam are covered by the object.



**Teaching for maximum operating range (factory setting at delivery)**

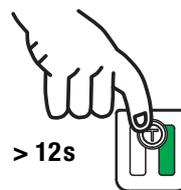
- **Prior to teaching:**  
**Cover the light path to the reflector!**
- Procedure as for standard teaching.



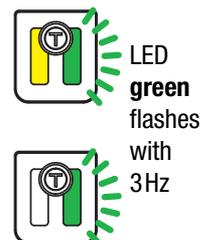
**Adjusting the switching behavior of the switching output – light/dark switching**

This function permits inversion of the sensors' switching logic.

- Press the teach button until only the green LED flashes. The yellow LED then shows the inverted switching logic:  
**ON** = switching outputs light switching (in the case of complementary sensors, Q1 (pin 4) light switching, Q2 (pin 2) dark switching), this means output active when object is detected.  
**OFF** = switching outputs dark switching (in the case of complementary sensors, Q1 (pin 4) dark switching, Q2 (pin 2) light switching), this means output inactive when object is detected.



LED yellow  
**ON = light switching**  
**OFF = dark switching**



- Release teach button.
- Ready.

We reserve the right to make changes • PAL\_Teach\_PRK28\_en\_50130116.fm