

**PRK 5**

**Retro-reflective photoelectric sensor for empty bottles**

en 01-2018/03 50139568

**Remarks**

**Observe intended use!**

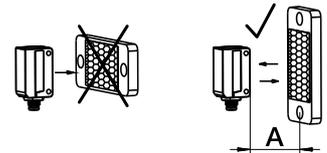
- ☞ This product is not a safety sensor and is not intended as personnel protection.
- ☞ The product may only be put into operation by competent persons.
- ☞ Only use the product in accordance with the intended use.

- **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.

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



- **Prior to teaching: Clear the light path to the reflector!**  
**Sensor and reflector must necessarily be aligned parallel to each other.**  
The distance **A** between sensor and reflector may be **100 to 300mm**.  
The device setting is stored in a fail-safe way. A reconfiguration following voltage interruption or switch-off is thus not required.

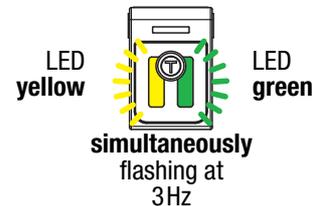


**Teaching for increased sensor sensitivity**

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



After the teaching for increased sensor sensitivity, the sensor switches when about 11 % of the light beam are covered by the object.

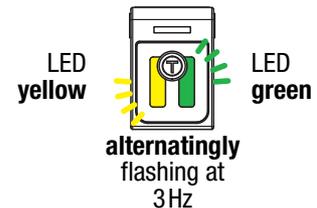


**Standard teaching for average sensor sensitivity**

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

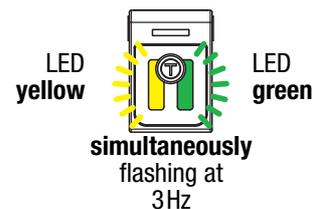
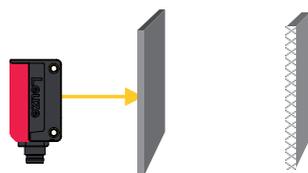


After the standard teaching, the sensor switches when about 18 % of the light beam are covered by the object.



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

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



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

This function permits inversion of the sensors' switching logic.

- Press teach button until only the green LED flashes.  
The yellow LED then indicates the toggled 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



LED green flashes at 3Hz



- Release teach button.
- Ready.

We reserve the right to make changes • PAL\_Teach\_PRK5R3\_en\_50139568.fm