

en 02-2014/10 50123775-01

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** for your sensor at www.leuze.com. Enter the "**part no.**" for your sensor in the "**Enter search term**" field and click on the desired sensor in the search result list. The detailed information for your sensor and for the available downloads is displayed.

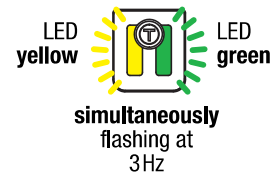
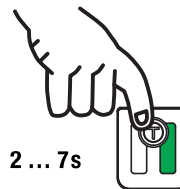
Teach-in method

Teach	Operating level 1	Operating level 2
Standard Teach	<p>Teach on object:</p> <p>During this teach event, the object is located in front of the sensor. The switching threshold is set by the teach so that the object is detected with a tight signal reserve R. Thus, the object is detected even if the distance increases by the value r with respect to the distance during the teach.</p> <p>A Signal - object B Teach on object C Switching threshold</p>	<p>Teach on background:</p> <p>This teach is only suitable for applications with a fixed background. The teach is performed directly on the background without an object. The switching threshold is set to a value that is just above the background signal (signal reserve R). Thus, objects can be detected up to a distance of r in front of the background.</p> <p>A Signal - background B Teach on background C Switching threshold</p>

Operation via teach button

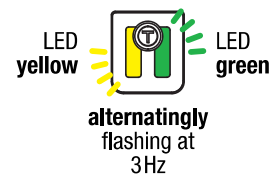
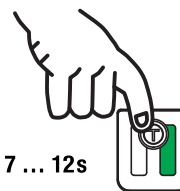
Teach in operating level 1

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



Teach in operating level 2

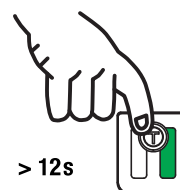
- Press teach button until both LEDs flash **alternatingly**.
- Release teach button.
- Ready.



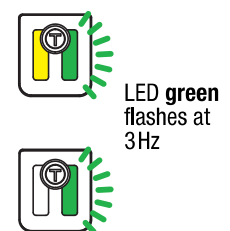
Adjusting the switching behavior of the switching output – light/dark switching

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.
- Release teach button.
- Ready.



LED yellow
ON = light switching
OFF = dark switching



We reserve the right to make changes • PAL_Teach_5_28_en_50123775_01.frm