

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.

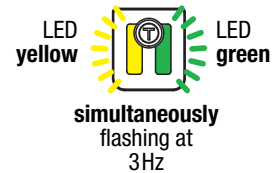
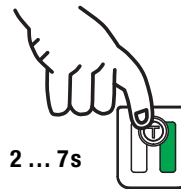
Teach-in method

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

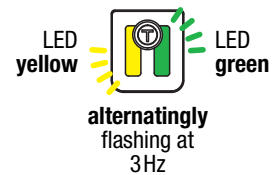
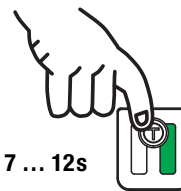
Teach in operating level 1

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



Teach in operating level 2

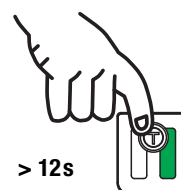
- Press teach button until both LEDs flash **alternatingly**.
- Release teach button.
- Ready.



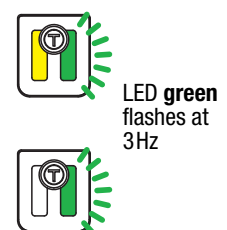
Adjusting the switching behavior of the switching output – light/dark switching

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.fm