

Diffuse reflection sensor with background suppression

HT49C



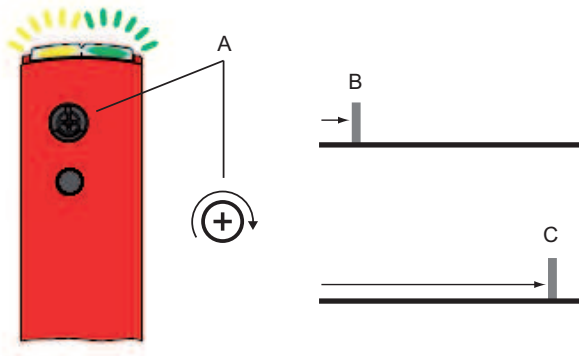
1



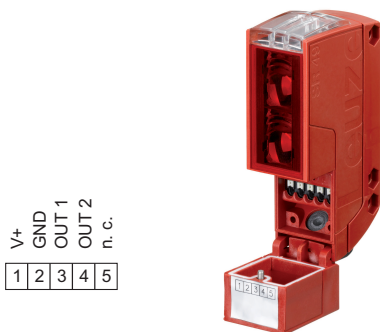
2



3



4



Teach procedure for sensor

Factory setting

- Light switching
- Time module not active

1

Light/dark switching

Teach level 1: Configuration of the switching behavior

- ↳ Hold down the teach button (2 to 7s) until the yellow and green LEDs flash **synchronously**.
- ↳ Release teach button – switchover is complete.

The yellow LED indicates the current setting of the switching output for 3 s:

- Yellow LED *ON* = Light switching:
Output **OUT1** light switching (terminal 3)
Output **OUT2** dark switching (terminal 4)
- Yellow LED *OFF* = Dark switching:
Output **OUT1** dark switching (terminal 3)
Output **OUT2** light switching (terminal 4)

2

Activation/deactivation of the time module

Teach level 2: Configuration of the slow release

Dropout delay: if the object is no longer present, the output switches with a time delay.

- ↳ Hold down the teach button (7 to 12s) until the yellow and green LEDs flash **alternately**.
- ↳ Release teach button – activation/deactivation is complete.

The yellow LED indicates the current setting of the dropout delay for 3 s:

- Yellow LED *ON* = Time module not active - no dropout delay
 - Yellow LED *OFF* = Time module active – slow release: 500 ms*
- *: other models on request

Adjust operating range**3**

| | |
|---|--|
| A | Multiturn potentiometer for configuration of the operating range 0 turns of multiturn potentiometer – minimum operating range (B) 8 turns of multiturn potentiometer – maximum operating range (C) |
| B | Minimum operating range |
| C | Maximum operating range |

↳ To configure the operating range, turn the multiturn potentiometer (A). The maximum operating range is set after eight turns of the multiturn potentiometer.

Electrical connection**4**

| | |
|---|--------------------------------|
| 1 | V+ - Voltage supply |
| 2 | GND - Ground |
| 3 | OUT 1 - Switching output 1 |
| 4 | OUT 2 - Switching output 2 |
| 5 | n.c. – connection not assigned |