Throughbeam photoelectric sensors Retro-reflective photoelectric sensors Diffuse sensors with background suppression

SR49C

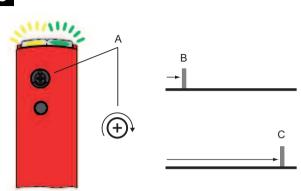








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Teach of the sensors with transistor output

Factory setting

- Light switching
- Time module not active



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

Slow release: 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.
- Selease teach button activation/deactivation is complete.

The yellow LED indicates the current setting of the slow release for 3 s:

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

Teach of the sensors with relay output

Factory setting

- Light switching
- Time module not active



Light/dark switching

Teach level 1: Configuration of the switching behavior of the relay output

- Hold down the teach button (2 to 7s) until the yellow and green LEDs flash synchronously.
- Selease 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 between PIN 4 and PIN 3: NC contact Output between PIN 4 and PIN 5: NO contact
- Yellow LED OFF = Dark switching: Output between PIN 4 and PIN 3: NO contact Output between PIN 4 and PIN 5: NC contact

2

Activation/deactivation of the time module

Teach level 2: Configuration of the slow release of the relay output

Slow release: 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 slow release for 3 s:

- Yellow LED ON = Time module not active no slow release of the relay
- Yellow LED OFF = Time module active slow release of the relay: 500 ms*
 *: other models on request

Teach of the sensors with MOSFET output

Factory setting

- Light switching
- Time module not active



Light/dark switching

Teach level 1: Configuration of the MOSFET 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 between PIN 4 and PIN 5: NO contact
- Yellow LED OFF = Dark switching: Output between PIN 4 and PIN 5: NC contact

2

Activation/deactivation of the time module

Teach level 2: Configuration of the MOSFET slow release

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

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

The yellow LED indicates the current setting of the slow release for 3 s:

- Yellow LED ON = Time module not active no slow release of the MOSFET output.
- Yellow LED OFF = Time module active slow release of the MOSFET output: 500 ms*

*: other models on request

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Setting the operating range



For devices with operational controls on the rear side of the device

Throughbeam photoelectric sensors Retro-reflective photoelectric sensors



	270° potentiometer for setting the operating range Left limit stop of 270° potentiometer – minimum operating range (B)
	Right limit stop of 270° potentiometer – maximum operating range (C)
В	Minimum operating range
С	Maximum operating range

✤ To set the operating range, turn the 270° potentiometer (A). The maximum operating range is set at the right limit stop of the 270° potentiometer.

Diffuse sensors with background suppression



	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)
В	Minimum operating range
С	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.