

Installation Instructions

GXR-xx-xx

GXE-xx-xx

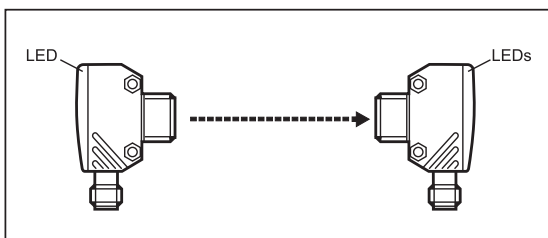
Through-beam sensor

1 Functions and features

The through-beam sensor detects objects and materials without contact and indicates their presence by a switching signal.

For the range see the type label.

2 Installation



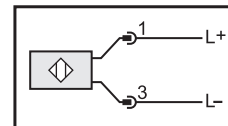
- Install the receiver (GXR-xx-xx) and secure it to a bracket.
 - Align the transmitter (GXE-xx-xx) to the receiver and secure it also to a bracket.
- > Maximum range only with accurate alignment.

3 Electrical connection



- Disconnect power.
- Connect the unit as follows.

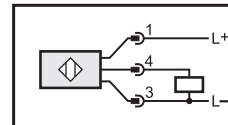
3.1 Transmitter



Pin 1 - Brown = L+ (10...30 V DC)
Pin 3 - Blue = L-
(Pin 4 - Black = not connected)
(Pin 2 - White = not connected)

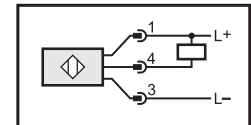
3.2 Receiver

PNP



Pin 1 - Brown = L+ (10...30 V DC)
Pin 3 - Blue = L-
Pin 4 - Black = load (PNP, 200 mA max)
(Pin 2 - White = not connected)

NPN



Pin 1 - Brown = L+ (10...30 V DC)
Pin 3 - Blue = L-
Pin 4 - Black = load (NPN, 200 mA max)
(Pin 2 - White = not connected)

4 Operation

Check whether the sensor operates correctly.

- Receiver (GXR-xx-xx): The yellow LED is lit when the switching output is switched. The green LED is lit when powered up.
- Transmitter (GXE-xx-xx): The green LED is lit when powered up.

5 Maintenance

- Keep the lens of the sensor free from soiling.
- For cleaning do not use any solvents or cleaning agents which could damage the plastic material (PMMA - Polymethyl methacrylate, LCP - Liquid Crystal Polymer, PEI - Polyether imide).