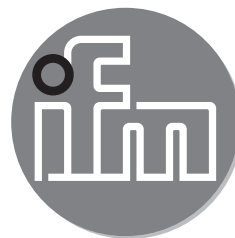


ifm electronic



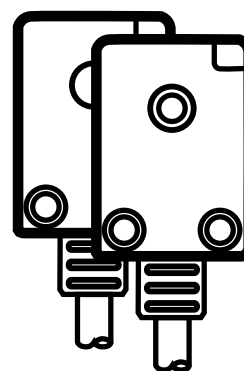
Operating instructions
Through-beam sensor

efector200[®]

O7E2xx / O7S2xx

UK

O7E200 / 00 10 / 2009



1 Preliminary note

1.1 Symbols used

▶ Instruction

> Reaction, result

→ Cross-reference



Important note

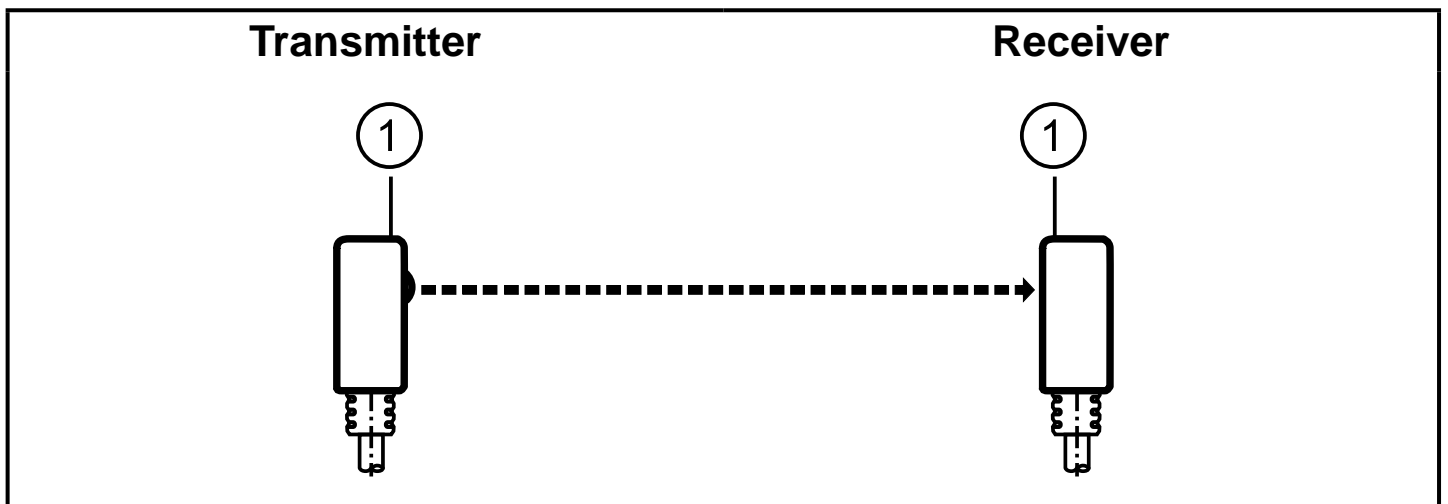
Non-compliance can result in malfunctions or interference.

2 Functions and features

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

Range: → packaging or data sheet.

3 Installation



1: LED

▶ Secure the receiver (O7E2xx) to a bracket.

▶ Align the transmitter (O7S2xx) to the receiver and secure it in the same way.

Maximum range only with accurate alignment.

4 Electrical connection



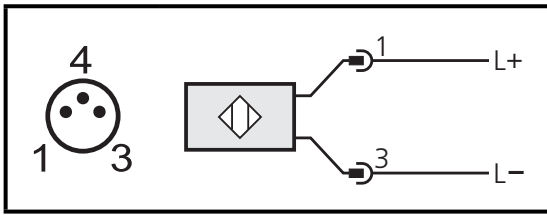
The unit must be connected by a qualified electrician.

▶ The national and international regulations for the installation of electrical equipment must be adhered to.

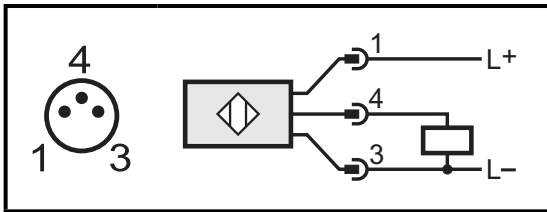
▶ Ensure voltage supply to EN 50178, SELV, PELV.

- ▶ Disconnect power.
- ▶ Connect the unit as follows:

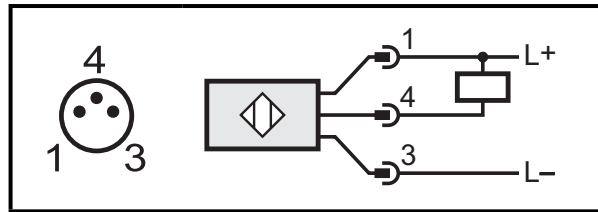
Transmitter (O7S2xx) DC



Receiver (O7E2xx) DC PNP



DC NPN



UK

5 Operation

- ▶ Check whether the unit operates correctly.
 - Transmitter (O7S2xx): The green LED is lit when the sensor is ready for operation.
 - Receiver:
 - Dark-on switching units (O7E-DPKG): The output is switched / the yellow LED is lit when an object is detected.
 - Light-on switching units (O7E-HPKG): The output is switched / the yellow LED is lit when no object is detected.

6 Maintenance, repair and disposal

- ▶ Keep the front panes of the sensor free from soiling.
- ▶ For cleaning do not use any solvents or cleaning agents which could damage the plastic material.

Technical data and further information at
www.ifm.com → Select your country → Data sheet direct: