$C\,\epsilon$

Operating instructions
Through-beam sensor
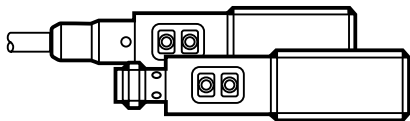
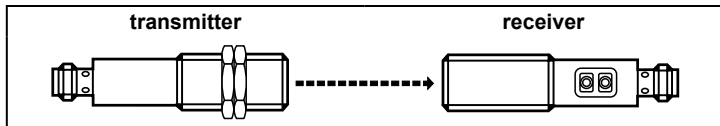**OGE3xx** UK
OGS3xx
OGE5xx
OGS5xx

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 (OGE...) and secure it to a bracket.

▶ Align the transmitter (OGS...) to the receiver and fix it.

3 Electrical connection

▶ Disconnect power.
▶ Connect the unit as follows.

Transmitter

	Cable	Connector	Pin connection
L+	BN	pin 1	
L-	BU	pin 3	
—	—	pin 4	
—	—	pin 2	

Core colours   BN = brown, BU = blue, BK = black

Receiver

	Cable	Connector	Pin connection
L+	BN	pin 1	
L-	BU	pin 3	
load	BK	pin 4	
—	—	pin 2	

Core colours   BN = brown, BU = blue, BK = black

4 Operating and display elements

transmitter	receiver

1: LED
2: [OUT off]
3: [OUT on]

4 Settings

4.1 The receiver is to switch when the object is detected

	▶ Position the object.
1	
	▶ Press [OUT on] for 2 s.
	> The sensitivity is set to the object.
	> The LED flashes.
	▶ Remove the object.
2	
	▶ Press [OUT off].
	> The sensitivity is set without object.
	> The LED goes out. The programming is finished.

4.2 The receiver is not to switch when the object is detected

▶ Position the object (see figure 1) and press [OUT off] for 2 s.

▶ Remove the object (see figure 2) and press [OUT on].

The settings can also be carried out first without object and then with object.

4.3 Programming unsuccessful

> LED flashes quickly, 8 Hz.

Possible causes

- Insufficient difference in measurements.
- Max. programming time of 15 min. exceeded.

4.4 Setting of maximum sensitivity

▶ Align the receiver so that no light is received.
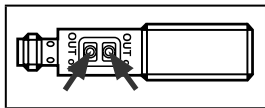
The receiver is to switch when the object is detected.

▶ First press [OUT on] and then [OUT off].

The receiver is to switch when the object is not detected.

▶ First press [OUT off], then [OUT on].

4.5 Locking or unlocking the buttons

The unit can be locked electronically to prevent unintentional settings.

▶ Press [OUT on] and [OUT off] simultaneously for 10 s.
> Acknowledgement is indicated by a change of the LED status.

5 Operation

▶ Check whether the sensors operate correctly.

> The receiver LED lights when the switching output is switched.

6 Maintenance

▶ Keep the lenses of the sensors free from soiling.

▶ For cleaning do not use any solvents or cleaning agents which could damage the plastic lenses.