



CE

Operating instructions  
Through-beam sensor

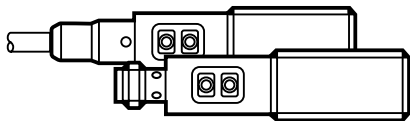
**OGE3xx**

**OGS3xx**

**OGE5xx**

**OGS5xx**

UK

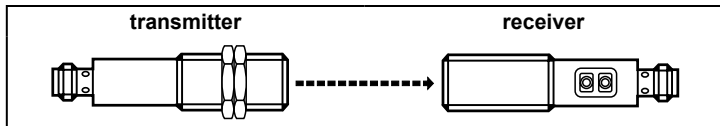


# 1 Functions and features

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	

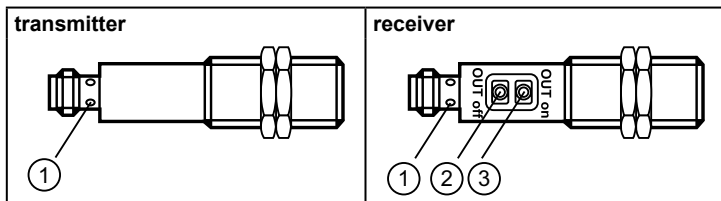
Core colours      BN = brown, BU = blue, BK = black

### 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


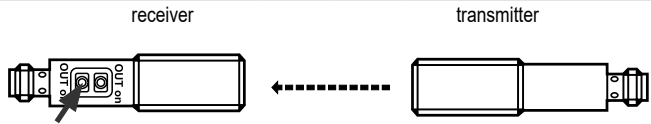


- 1: LED  
2: [OUT off]  
3: [OUT on]

UK

## 4 Settings

### 4.1 The receiver is to switch when the object is detected

1	<p>► Position the object.</p>  <p>receiver transmitter</p>
	<p>► Press [OUT on] for 2 s.</p> <ul style="list-style-type: none"><li>&gt; The sensitivity is set to the object.</li><li>&gt; The LED flashes.</li></ul>
2	<p>► Remove the object.</p>  <p>receiver transmitter</p> <p>► Press [OUT off].</p> <ul style="list-style-type: none"><li>&gt; The sensitivity is set without object.</li><li>&gt; The LED goes out. The programming is finished.</li></ul>

### 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.**

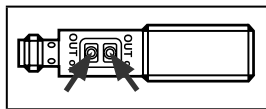
▶ First press [OUT on] and then [OUT off].

**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.



