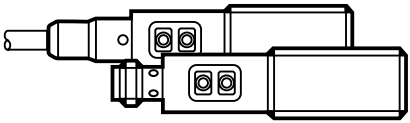
Operating instructions
Through-beam sensor

OGE3xx
OGS3xx
OGE5xx
OGS5xx

UK

11477262 / 00 08 / 2017

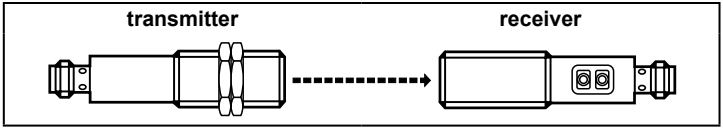


1 Functions and features

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	

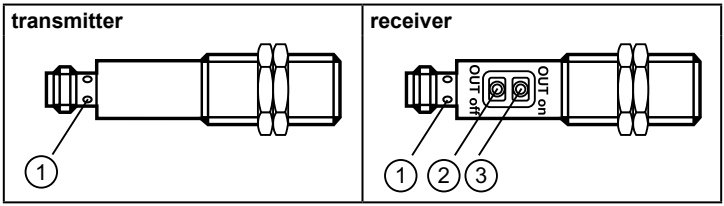
Core colours BN = brown, BU = blue, BK = black

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]

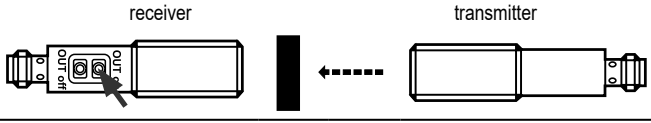
UK

4 Settings

4.1 The receiver is to switch when the object is detected

1

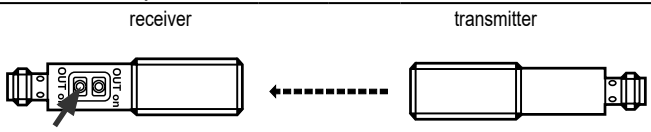
▶ Position the object.



▶ Press [OUT on] for 2 s.
> The sensitivity is set to the object.
> The LED flashes.

2

▶ Remove the object.



▶ 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.

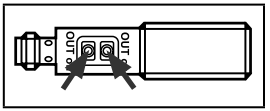
▶ First press [OUT on] and then [OUT off].

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.

Technical data and further information at www.ifm.com