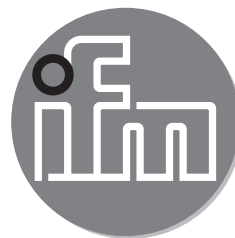


ifm electronic



Operating instructions  
Diffuse reflection sensor

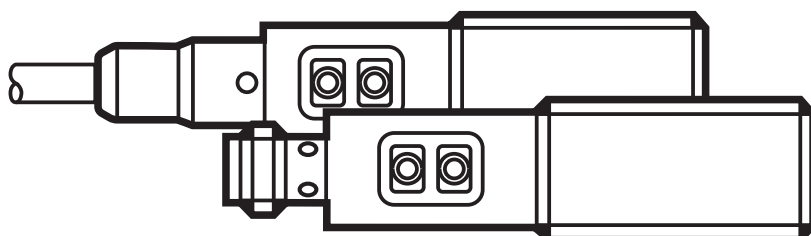
**efector200<sup>®</sup>**

**OGT3xx**

**OGT5xx**

**UK**

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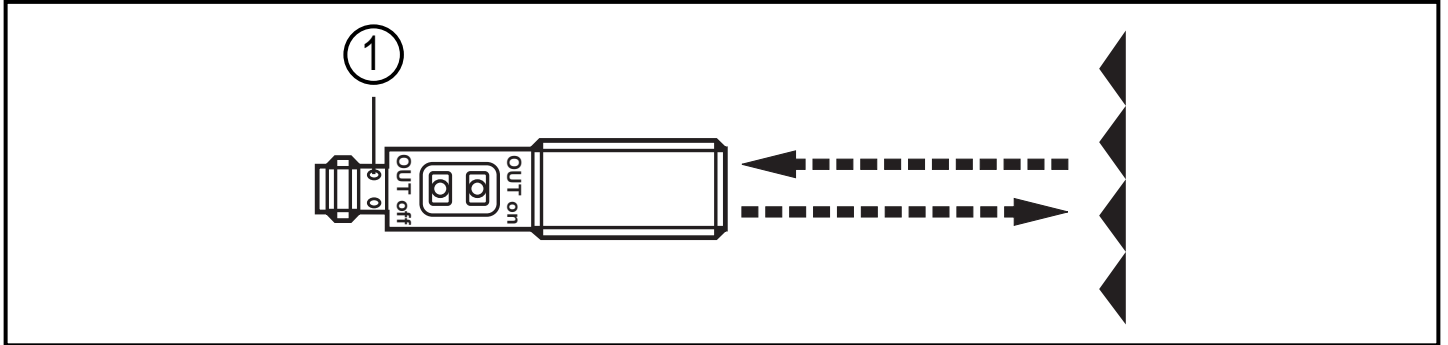


# Functions and features

The diffuse-reflection sensor detects objects and materials without contact and indicates their presence by a switched signal.

Range: see type label.

## Installation



1: LED

► Align the photocell and fasten to a mounting device.

## Electrical connection



- Disconnect power.
- Connect the unit as follows.

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

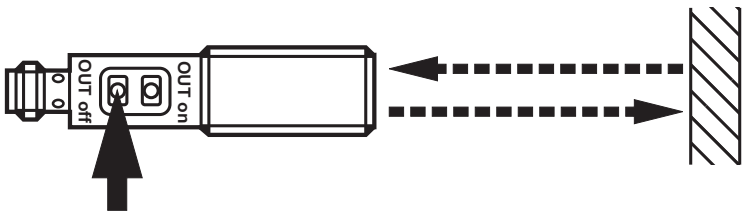
Core colours      BN = brown, BU = blue, BK = black

## Setting of sensitivity and output function

The sensor is to switch when the object is detected:

1

► Position the object, then press the [OUT on] button  
> LED flashes

2	 <ul style="list-style-type: none"> <li>▶ Remove the object, then press the [OUT off] button</li> <li>&gt; LED goes out</li> </ul>
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The sensor is to switch when no object is detected:

1. Press the [OUT on] button when no object is present.
2. Position the object and press the [OUT off] button.

UK

### Setting of the maximum sensitivity

The sensor is to switch when the object is detected:

- ▶ Align the unit so that no light is reflected.
- ▶ First press the [OUT on] button then the [OUT off] button.

The sensor is to switch when no object is detected:

- ▶ Align the unit so that no light is reflected.
- ▶ First press the [OUT off] button then the [OUT on] button.

### Lock or unlock the push buttons:

- ▶ Press both buttons for 10 s.
- > Acknowledgement is indicated by a change of the yellow LED status.

### Programming failed:

- > The yellow LED flashes quickly (8 Hz).
- Measured value difference too small.
- Max. programming time of 15 min. exceeded.

### Operation

- The LED is lit when the output is switched.

### 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 lenses.