

ifm electronic



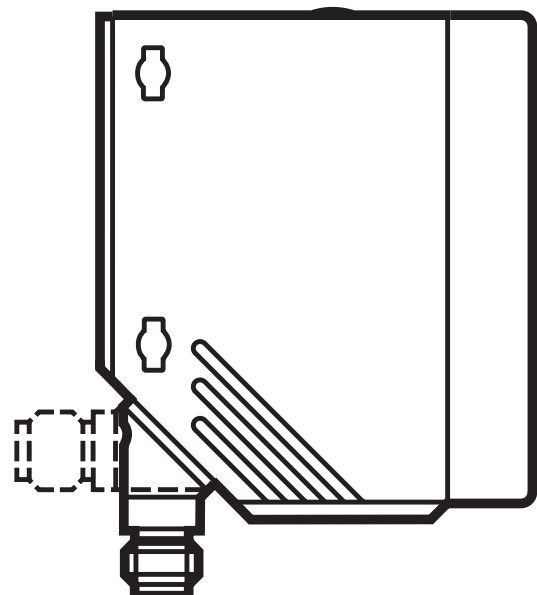
Installation instructions
Diffuse-reflection sensor
with background suppression

efector200[®]

O4H201

UK

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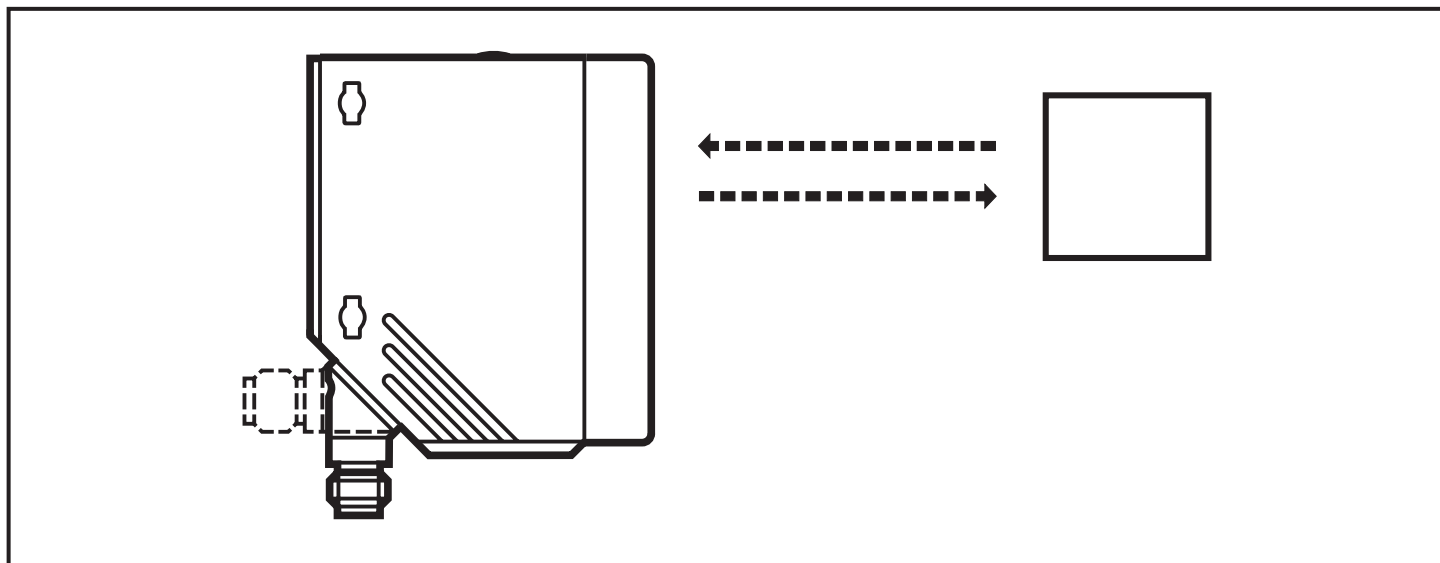


Functions and features

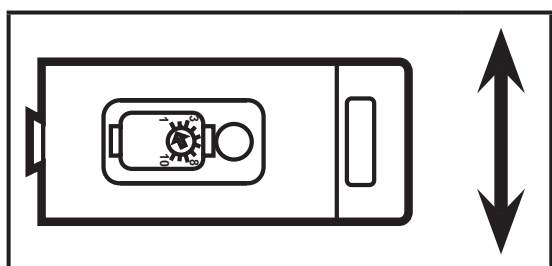
The diffuse-reflection sensor detects objects and materials without contact and indicates their presence by a switched signal.

Range: see type label.

Installation



Align the photocell and fasten to a mounting device.



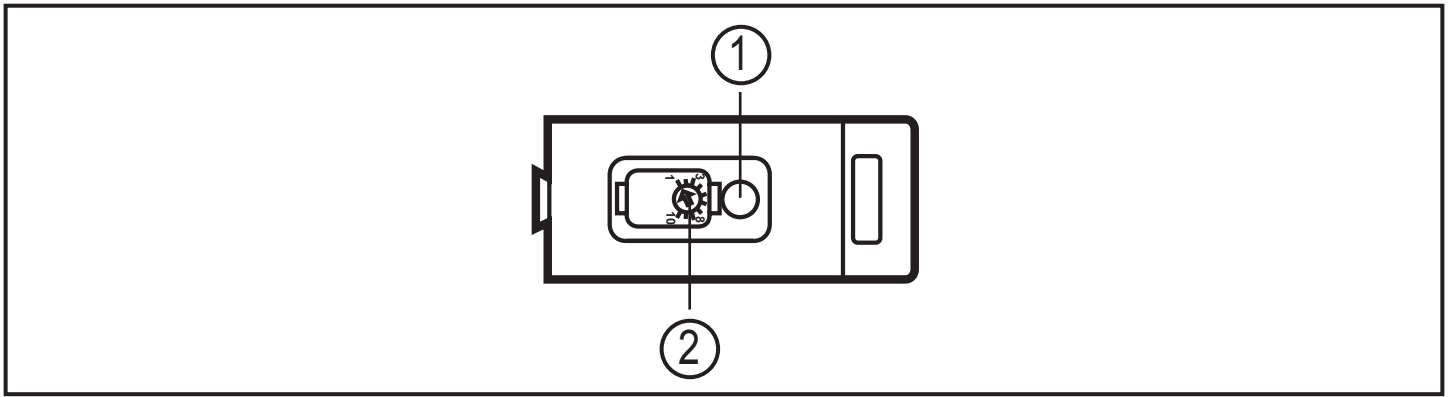
The objects to be detected are to move transversally to the lens of the unit. In case of other directions of movement it should be tested before whether safe functioning is guaranteed.

Electrical connection



Disconnect power before connecting the sensor. Connection strictly to the indications on the type label.

Setting of the sensitivity



1: LED

2: setting potentiometer sensing range

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Proceed as follows:

1. Set the potentiometer to the smallest sensing range (1).
2. Place the object to be detected within the sensing range.
3. Increase the sensing range until the LED goes out (= minimum value; object detected).
4. Remove the object from the sensing range (LED lights).
5. Increase the sensing range until the LED goes out (= maximum value; background detected).
6. Set the potentiometer to the medium position between minimum and maximum value.

Operation

Check the safe functioning of the sensor.

- The LED lights if no light is received (= no object detected).

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.

Technical data

You can download the data sheet from the Internet address www.ifm.com if required.