



**Operating Instructions** 

ews-15/CD

Ultrasonic one-way reflectiv barrier with one switched output

# **Product Description**

If an object interrupts the measuring track between two ews-15/CD, one set as a transmitter and another set as a receiver, the switched output of the receiver is set.

Via the push-button, the response time and the output function of the switched output are changeable (Teach-in).

Two LEDs indicate operation and the state of the switched output of the receiver.

#### Notes

- The ews-15/CD is optmized for scanning thin films at an spacing of 60...110 mm between transmitter and receiver.
- With the Teach-in procedure the response time and an off-delay can be set to 5 ms.

#### Proper use

ews ultrasonic sensors are used for non-contact detection of objects.

#### Installation

- Mount two sensors ews-15/CD at the installation site (see fig. 3).
  Maximum torque: 0,5 Nm
- Connect the connection cables to the M8 device plugs.

$\begin{pmatrix} 2^{\bigcirc} & \bigcirc_4 \\ \bigcirc & & \bigcirc \\ 1 & & 3 \end{pmatrix}$	1	colour
1	+U <sub>B</sub>	brown
3	-U <sub>B</sub>	blue
4	D	black
2	Control	white

Fig. 1: Pin assignment with view onto sensor plug and colour coding of the microsonic connection cable.

 Set one ews-15/CD to function transmitter and one ews-15/CD as a receiver by correponding assignment of pin2 (see fig. 1 and 2).

assignment pin 2	operation mode
+U <sub>B</sub>	transmitter
not connected	receiver

Fig. 2: Selection of operation mode.

# Start-Up

- Connect the power supply.
- Carry out the setting in accordance with the diagram.

#### **Factory Setting**

- Switched output on NOC.
- Filter not active.

# Maintenance

microsonic sensors are maintenancefree. In case of excess caked-on dirt we recommend cleaning the white sensor surface

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#### Notes

- The ultrasonic one-way reflective barrier consists of two sensors ews-15/CD.
- In the normal operating mode, an illuminated yellow LED at the receiver signals the switched output is switched through.

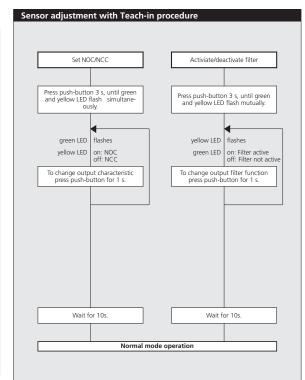
# Contact

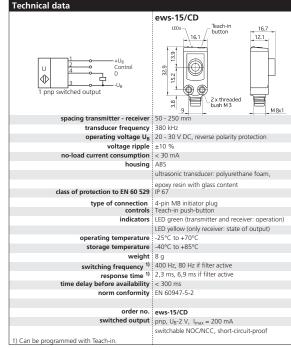
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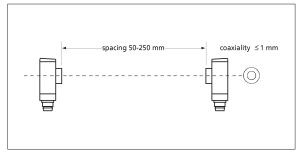


Fig. 3: Mounting of ews-15/CD