wictotolic



Operating Manual

Ultrasonic proximity switch with analogue output

 nero-15/CI
 nero-15/CU

 nero-25/CI
 nero-25/CU

 nero-35/CI
 nero-35/CU

 nero-100/CI
 nero-100/CU

nero-15/WK/CI nero-25/WK/CI nero-35/WK/CI nero-100/WK/CI nero-15/WK/CU nero-25/WK/CU nero-35/WK/CU nero-100/WK/CU

Product Description

The nero sensor offers a non-contact measurement of the distance to an object that has to be positioned within the sensor's detection zone. Depending on the set window limits, a distance-proportional analogue signal is output.

The window limits of the analogue output and its characteristic can be adjusted with the Teach-in procedure.

Two LEDs indicate operation and the state of the analogue output.

Safety Notes

- Read the operating instructions prior to start-up.
- Connection, installation and adjustment may only be carried out by qualified staff.
- No safety component in accordance with the EU Machine Directive

Proper Use

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

Installation

- Mount the sensor at the place of fitting.
- Connect a connection cable to the M12 device plug.

The assembly distances shown in fig. 2 for two or more sensors should not

be fallen below in order to avoid mutual interference.

Start-Up

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

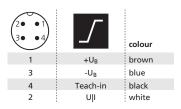


Fig. 1: Pin assignment with view onto sensor plug and colour coding of the microsonic connection cables

Factory Setting

- Rising analogue characteristic curve between the blind zone and the operating range
- »Teach- in« active

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D	≥0.25 m	≥1.30 m
D	≥0.35 m	≥2.50 m
	≥0.40 m	≥2.50 m
	≥0.70 m	≥4.00 m

Fig.2: Assembly distances

Maintenance

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

Notes

- The sensors of the nero family have a blind zone. Within this zone a distance measurement is not possible.
- In the normal operating mode, an illuminated yellow LED signals the object is within the adjusted window limits.
- The sensor can be reset to its factory setting (see »Further settings«).

