microsonic



Operating Instructions

lpc-25/Cl/M18 lpc-25/CU/M18

Ultrasonic Proximity Sensor with Analogue Output

Product Description

The Ipc sensor offers a non-contact measurement of the distance to an object which must be positioned within the sensor's detection zone. In dependence of the set window limits, a distance-proportional analogue signal is output.

Via the Syn/Com input (pin 5), the window limits of the analogue output and its characteristic can be adjusted (teach-in). Two LEDs indicate the state of the output.

With the LinkControl adapter, which is available as accessory, all sensor parameters can optionally be set via a PC.

Safety Notes

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

Installation

- Mount the sensor at the installation site.
 Connect a connection cable to the
- Connect a connection cable to the M12 device plug.
- Start-Up
- Connect the power supply.
- Carry out the adjustment in accordance with the diagram.

Factory Setting

- Synchronous mode deactivated
- Rising analogue characteristic curve between the blind zone and the operating range

Synchronisation

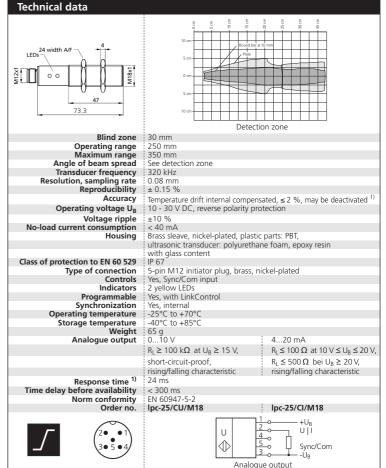
With the synchronous mode activated and an electrical interconnection of the Sync/Com inputs (pin 5), up to 10 sensors can be synchronised.

Maintenance

microsonic sensors are maintenancefree. With heavy dirt deposits, we recommend a cleaning of the white sensor surface.

Note

- The lpc sensor has a blind zone, within which distance measurements are not possible.
- The lpc sensor is equipped with an internal temperature compensation. Due to the sensor's self-heating, the temperature compensation reaches its optimum working point after approx. 30 minutes of operation.
- In the normal operating mode, an illuminated LED signals that the object is positioned inside the range of the analogue window.
- In the synchronous mode, an adjustment via teach-in is not possible.
- √If no signal is transmitted to the Sync/Com input for 30 seconds during the teach-in setting, the set-



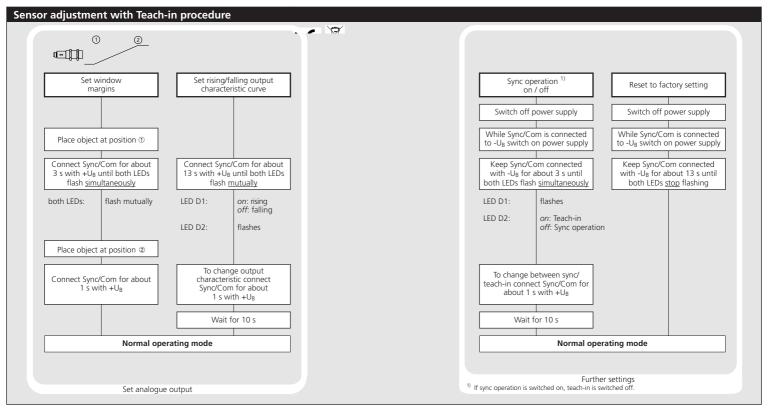
1) Can be programmed with LinkContro

tings made hitherto are deleted.

The sensor can be reset to its factory setting.



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