Sensor adjustment with Teach-in procedure

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

Factory setting
- Detect point operation
- Switched output on NOC
- Detect distance at operating range

Operating modes
Three operating modes are available for the switched output:
- Operation with one detect point
  - The switched output is set when the object falls below the set detect point.
- Window mode
  - The switched output is set when the object is within the set window.
- Two-way reflective barrier
  - The switched output is set when the object is between sensor and fixed reflector.

Notes
- The sensors of the nero-family have a blind zone, within which a distance measurement is not possible.
- In the normal operating mode, an illuminated yellow LED signals that the switched output is switched through.
- In the «Two-way reflective barrier» operating mode, the object has to be within the range of 0.85 % of the set distance.
- In the «Set detect point - method A» Teach-in procedure the actual distance to the object is taught to the sensor as the detect point. If the object moves towards the sensor (e.g. with level control) then the taught distance is the level at which the sensor has to switch the output.
- If the object to be scanned moves into the detection area from the side, the «Set detect point - method B» Teach-in procedure should be used. In this way the switching distance is set 8 % further than the actual measured distance to the object. This ensures a reliable switching distance even if the height of the objects varies slightly.

Maintenance
microsonic sensors are maintenance-free. In case of excess caked-on dirt we recommend cleaning the white sensor surface.
The sensor can be reset to its factory setting (see "Further settings").