

ORQ80100 / ORQ80170

Retro-reflective sensors

Installation:

Mount the sensor and reflector so that they are directly opposite each other and at right angles to their connecting line. The emitted beam should be centered on the reflector. The potentiometer on the back of the sensor should be accessible with the enclosed screwdriver. For easier mounting, the mounting brackets **AO000075** and **AO000076** are available.

The reflector is included in the scope of delivery.

Setting:

The potentiometer can be used to reduce the sensitivity if required. Basically, set the potentiometer to right limit stop (maximum output). If you notice that the output does not switch reliably (e.g. with a very small or transparent object), reduce the sensitivity by turning the potentiometer to the left until a reliable switching behavior (see "LED display") is achieved.

Note: Always turn the potentiometer slowly. If the end stops are hit too hard, the device may be irreparably damaged. Always use the enclosed plastic screwdriver!

LED display:

There is an orange and a green LED on the device:

The orange LED indicates that the switching output is active.

The green LED indicates that the switching behavior is safe. It should light up in both the non-switched and switched status.

Technical data:

Operating voltage	12 ... 24V DC
max. switching current	50mA
max. switching frequency	1kHz
Range	30 ... 200mm
Repeatability	≤ 0,5mm
Ambient temperature	-25 ... +55°C
Protection class	IP 67
Connection	2m cable
Transmitting element	LED red, pulsed

Electrical connection:

