

Sensor system for signalling valve end positions

AUMA part-turn gearboxes GS 50.3 – GS 250.3

These instructions apply to the basic sensor system version:

Fig. 1



Information: This document refers to gearboxes in the RR standard version (clockwise rotating input shaft: clockwise rotating valve shaft). For other versions, the subsequent steps have to be adapted accordingly. There are several options for setting the valve end positions. The option described in this document is just a recommendation.

Operation

1. Run actuator to end position CLOSED.
2. Loosen screw [1] until the rings (I) and (II) can be turned (fig. 2).
3. Turn the lower ring (I) of the activator in direction of the sensor until the contact between metal strip and sensor is signalled by the LED (I) illuminated in green (fig. 2).
- End position CLOSED is now set and the green LED (II) illuminated (fig. 3).

Fig. 2

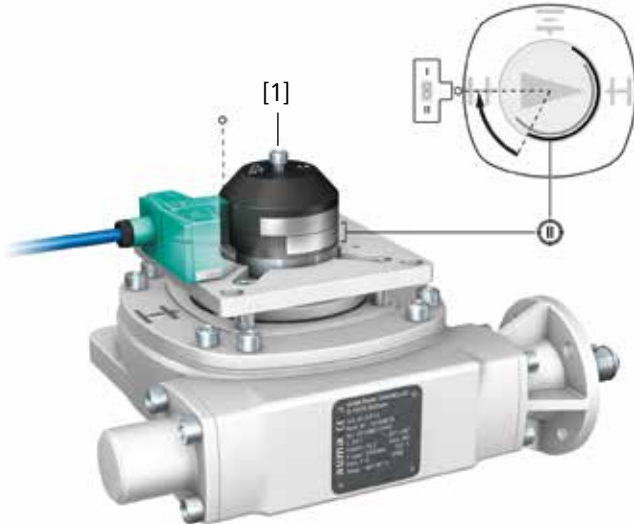
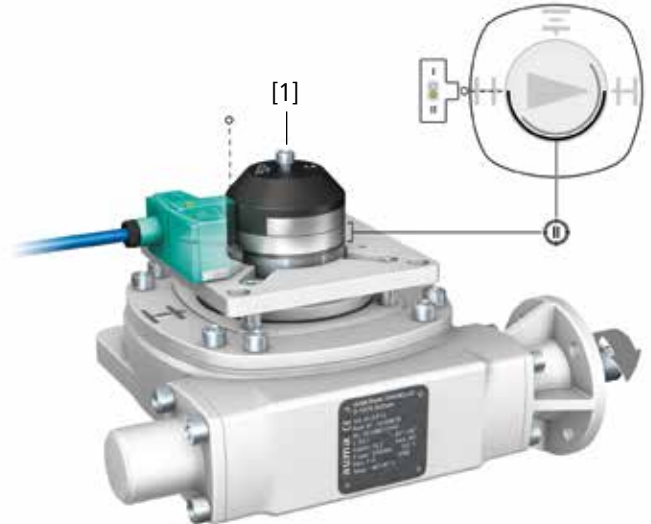
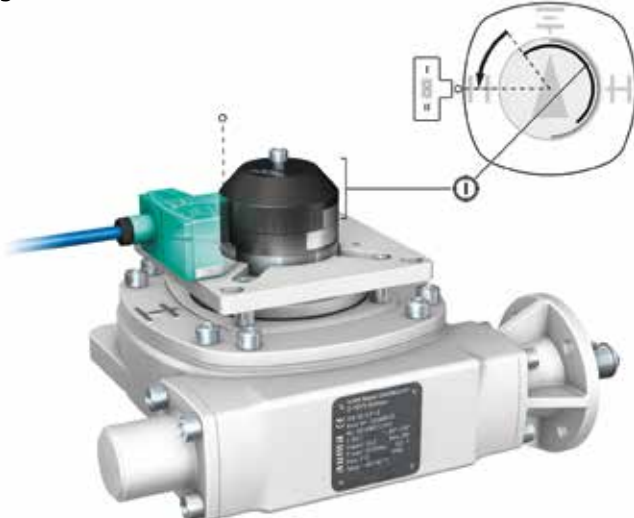


Fig. 3



4. Slightly tighten screw [1], so that the lower ring of the activator rotates during operation to end position.
5. Move valve to end position OPEN.
6. Turn the upper ring (I) of the activator in direction of the sensor until the contact between metal strip and sensor is signalled by the LED (I) illuminated in green (fig. 4).

Fig. 4



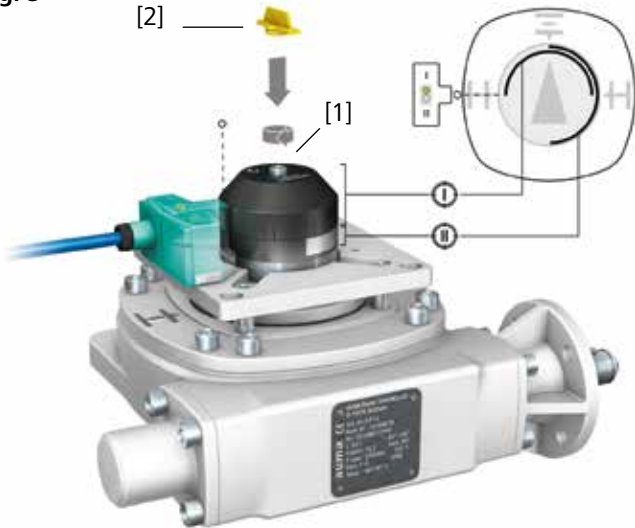
Sensor system for signalling valve end positions

AUMA part-turn gearboxes GS 50.3 – GS 250.3

If the upper ring cannot be turned: Loosen screw [1]. Ensure that the position of the lower ring is not changed!

- End position OPEN is now set and the green LED (I) illuminated (fig. 5).
7. Completely fasten screw [1].
 8. Place yellow arrow [2] on activator and turn to the symbol for end position OPEN (fig. 5).
 9. Perform test run.

Fig. 5



Assembly and fitting is now complete.

- LED II is illuminated: Valve is in end position CLOSED.
- LED I is illuminated: Valve is in end position OPEN.