Limit switches

Technical data

Switches with turret head housing

When supplied the contacts work in both directions according to the contact travel diagrams

Adjustment of the actuator standard position on the shaft:
The standard position of the unit can be changed and fixed step by step for exact positioning.

– AH, AHS, AHZ, AF, AD, AV:
  Adjustment in 15° steps (fig. 1)

– AHS-V
  Adjustment in 7,5° increments or 15° positive drive steps selected by reversing the drive washer between the lever and head (fig. 2)

– Adjustment AV, AD
  Adjustment in radial direction

– AH, AHS, AHS-V, AHZ, AV:
  By rotating 180° the roller lever is usable at a different axial level (fig 3. and 4)

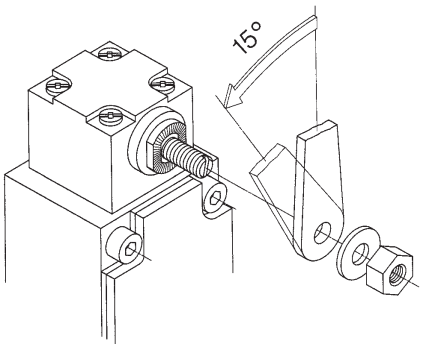

Fig. 1

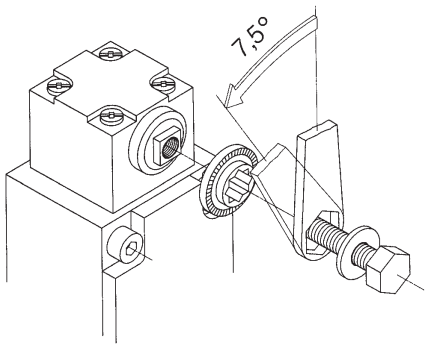

Fig. 2

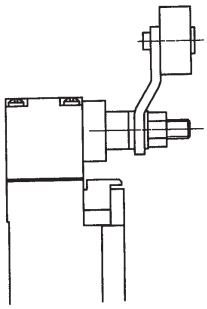
Fig. 3

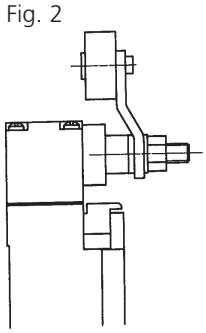
Fig. 4

Adjustment for switching (dependent on direction)
With actuators AHS, AHS-V, AV, AD

When supplied as standard the contacts work in both directions according to the contact travel diagrams. By simply changing the actuator push rod, an idle run function can be achieved in the chosen direction (fig 5. and 6). The idle run function may be used in control systems, which cannot handle successive signals due to the return "over swing" of very long actuators AV/AD.

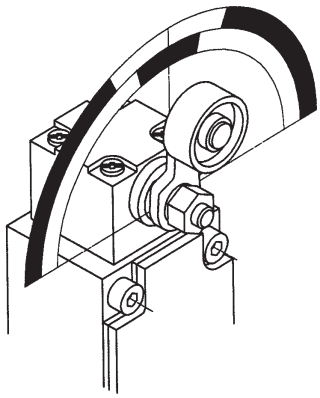
Fig. 5

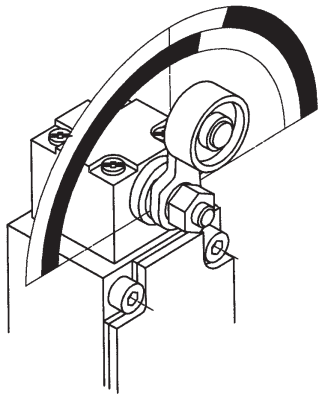
Fig. 6

Forced disconnect
Forward and return movement AHZ
For special safety applications the forced disconnection of the NC contacts may be required in the forward movement (moving in one direction) as well as in the return movement (back to normal position). For operator safety applications the roller must be positively guided in both directions (see fig. 7 and 8).

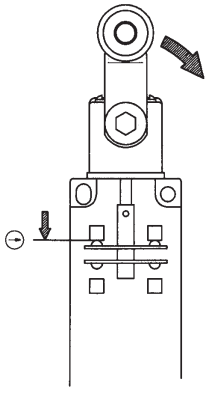
Fig. 7

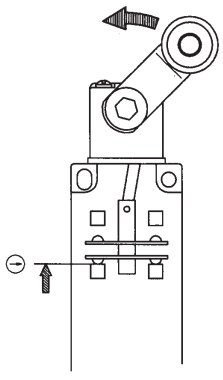
Fig. 8

Note – when altering actuators AH, AHS, AHS-V, AHZ, AF, AD, AV, DGH, DGK
– the assured conditions of supply will change.

After the adjustment, the user must make sure that the part reaches the necessary safety levels.