

Assembly of auxiliary contact and Potentiometer unit  
XAP 1 and XAP 2 to AK 41...43 P

MVE 4153 c

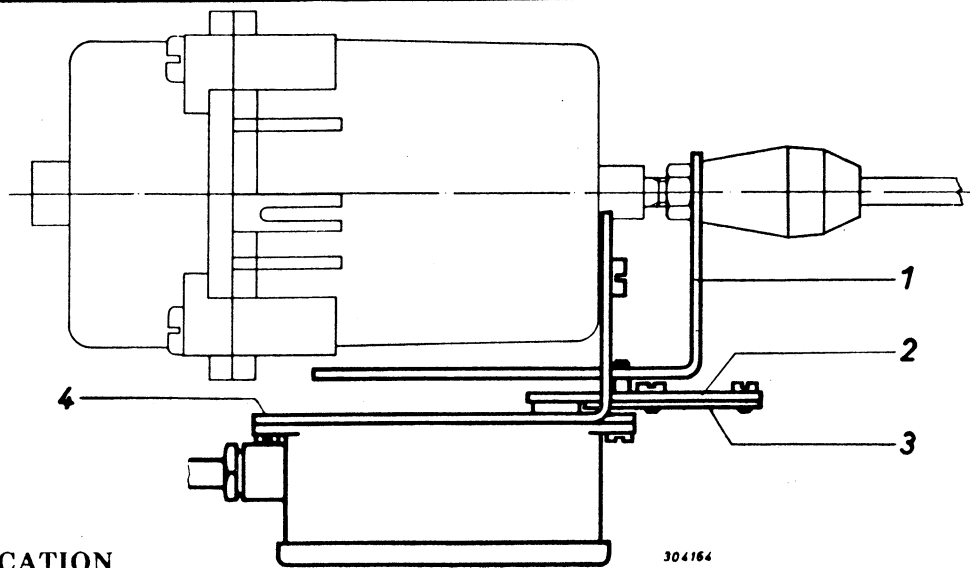


Fig. 1

**APPLICATION**

For the indication of the final position of readily movable air-dampers.

**FUNCTION**

**XAP 1**

- Retracted drive spindle  
Circuit closed between stranded wires 1-2
- Extracted drive spindle  
Circuit closed between stranded wires 3-4

**XAP 2**

- Extracted drive spindle  
10...50  $\Omega$  between stranded wires 1-2  
1.5...1.8 k $\Omega$  between stranded wires 1-3
- Retracted drive spindle  
1.5...1.8 k $\Omega$  between stranded wires 1-2  
10...50  $\Omega$  between stranded wires 1-3

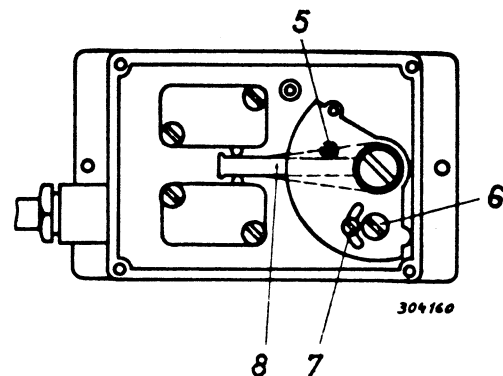


Fig. 2

**ASSEMBLY** (Fig. 1)

1. Clamp the angle plate with the slanting slot between the coupling and lock nut.
2. By turning, bring the lever (2) into position shown in diagram. Secure strap and pin (3) (strap flush with end of lever).
3. Assemble unit to mounting angle plate (4) and screw securely to drive so that the pin engages in the slanted slot.

**ADJUSTING**

**XAP 1** (Fig. 1 and 2)

- First switch: bring drive spindle to about centre position (apply pressure to drive). Turn the toothed segment anticlockwise until the lever (8) is in contact with the switch casing. By changing the pressure retract the drive spindle fully (the slipping clutch prevents damage).
- Second switch: Release screw (7), set to outside position and lightly secure. With extracted spindle (a pressure of 1,2 bar at the drive when necessary), press with a finger anti-clockwise on the outside lever (2) and turn the adjustable driver (6) until lever (8) lies on the switch housing. Secure screw (7).

**XAP 2** (Fig. 3)

- Check that with a retracted spindle the resistance between stranded wires 1 and 3 is 10...50  $\Omega$ . The toothed segments stops should not touch the housing. Turn toothed segment approx. 1 mm away (slipper clutch).
- Set  $\Omega$ -value by moving and rotating the pinion.

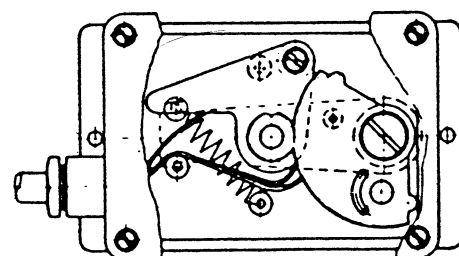


Fig. 3

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