



This additional manual is a supplement to the short manual J4C.  
**It only describes the deviating function, which is accompanied by the potentiometer option.**  
 The J4C Manual must be observed! To open the actuator, follow the description under the item „Cam system adjustment instructions“ in the J4C Manual.



The manual must be read carefully and completely before installation !



When operating electrical devices, certain parts of these devices are inevitably under dangerous voltage. Not noticing the general electrical safety regulations may result in serious personal injury or property damage. Only qualified personnel may work on or near these devices. The staff must be familiar with all safety instructions and maintenance according with this operating instruction.

## Description

The potentiometer in the actuator permanently displays the actual position as an ohmic value. This can be evaluated accordingly. The resistance value must be measured out individually for each actuator.  
 If the feedback or the control by standard signal (for example, 0-10V, 4-20mA) is desired, the option DPS positioner or DPS only output signal needs to be used.

The potentiometer is available in the following versions: 1 K $\Omega$ , 5K $\Omega$ , 10K $\Omega$   
 Subsequent reconfiguration of the version is not possible.

## Commissioning

The actuator must not be turned by handwheel over its working angle. When turning the actuator over 360 °, the zero point of the potentiometer shifts. If this happens nevertheless, the actuator must be turned back until the original value range is reached again.

The ohmic value can vary from actuator to actuator for the same position, so each actuator must be measured out individually. Optionally, the ascending or descending value of the potentiometer can be used.

## Electric connection

