

**TITLE: MULTI-TURN ACTUATORS. TRANSPORT, STORAGE AND COMMISSIONING CONDITIONS**  
**MODELS: CK, CKA, CKR, CKRA, CKC, CKRC**

### Transport

- Rotork multi-turn electric actuators must be transported in sturdy packing. During transport measures should be adopted in order to prevent impacts, hits. Rotork delivers its actuators ex-work, except previous written agreement. Hits or impacts against wall, surfaces or objects might cause severe damage on Multi-turn ELECTRIC actuator or its components. In these cases, after such events, a technical inspection must be carried out by Rotork technicians.
- For transport purposes, handwheels are supplied separately.
- Do not attach to the handwheel ropes or hooks to lift by hoist. The valve-actuator cannot be lifted employing any lifting point of the actuator
- Actuator covers (terminals and switch mechanism) have to be properly closed (Tight) and sealed. Cable entries on electrical connection cover must be sealed. Protection plug supplied by Rotork are only adequate for storing in dry and ventilated places, for short period of time. In other conditions protection plug must be replaced with metallic plug sealed with PTFE tape.

### Storage and commissioning

Despite of their high degree of protection (IP68), condensation –presence of water- can occur inside the actuators by incorrect or negligent handling of the actuators. This problem can be avoided by observing the following points.

### Commissioning

- Verify the actuator features: Model number, torque, operating speed, options and special components, enclosure type, and the actuator control before installation or use. It is important to verify that the actuator is appropriate for the requirements of the valve and the intended application. If there is any discrepancy, please contact with your local distributor, or Rotork, to solve that discrepancy. Once the multi-turn ELECTRIC actuator has been set up, Rotork decline any responsibility related to discrepancies.
- Check (Visual inspection) in order to detect possible damages caused during transport or storage. Checking should include a visual inspection of terminal compartment, and switching and signaling unit compartment.
- Check that the painting work of the actuator is not been damaged. Retouch when damaged.
- Check that terminal and switch mechanism covers are correctly closed and tight. Cable entries on terminal cover must be sealed. Protection plug supplied by Rotork are only adequate for storing in dry and ventilated places, for short period of time. In other conditions protection plugs must be replaced with metallic plugs, sealed with PTFE tape. Note: in case that any cover o-ring is missing or damaged, replace it by a new one. Do not use any sealing stuff (Silicone...)
- Each Actuator is delivered with a set of technical documentation (User manual, datasheet, diagrams...), which has to be carefully stored
- If damages like shocks, cracks, hits or others due to an improper handling, or humidity inside the equipment due to improper storage appear, contact Rotork or your nearest distributor.

### Storage

- Store in a clean, cool, dry and ventilated place. Protect against humidity from the floor. Use pallets, wooden frames, cage boxes or shelves.
- Do not store the actuator directly on the ground!
- Cover it to protect it from dust and dirt. Cover the machined parts with suitable protection against corrosion. Do not employ plastic bags, as they can cause condensation.
- Each Actuator is delivered with a set of technical documentation (User manual, datasheet, diagrams...), which has to be carefully stored.

Rotork Controls. All rights reserved. Subject to change without notice. Previous data sheets invalid with the issue of the latest data sheets. Due to production tolerance variation, the electrical values shown are averages compiled from Actuator production test data. Values are therefore provided for guidance only. Individual production tests are available on request (nominal load not included). Rotork Controls underwrite rated torque output only (specified tolerance -0/+10%)