

Actuators are high-value devices. This should be taken into account during transport and storage. In order to avoid possible damages, delays and costs for both parts, please observe the following points:

1. TRANSPORT:

- Actuators must be transported in a rigid packaging.
- Ropes or hooks used to lift or transport valves with mounted actuators should never be attached to the handwheel or to the actuator. The actuator output flange is designed to support actuators, but not the whole weight of the valve.
- Do not hit with actuator against walls, floor or machines. Serious damages can be caused.

2. STORAGE:

Although their high degree of protection (IP67 as standard) condensation can occur inside the electric actuators. This may damage sensitive internal parts during storage. This problems can be avoided by observing the following points:

- Store in dry and well-ventilated rooms.
- Protect against humidity from the floor. Use pallets, wooden frames, cage boxes or shelves.
- Cover actuators with plastic foil to protect against dust and dirt.
- Check, at least after 3 months. In case condensed water is inside switch compartment, all actuators have to be checked and, if necessary, dried-out.
- In case actuators are stocked for a long period (more than 6 months) the following points must be observed:
 - * Before storage, protect bright surfaces, not stainless steel (specially the output and the flange) with long-time corrosion protection.
 - * Check every 6 months for possible corrosion.
- The covers needed by the user have to be kept closed: Switching & Signalling unit cover, Electric connection cover & Centronik front cover(option). If these covers have been opened, verify the o-rings, and replace them if damaged.
- The cable entries protection caps are only valid for temporary storage on dry and protected places. For other storage conditions and/or final installation the user should replace them by metallic caps with o-rings according to the actuators degree of protection, IP67 or IP68 (option).

3. COMMISSIONING:

The actuators are electro-mechanical devices. Therefore you should take into account the EN60204, Directive 73/23/EEC safety standards.

- Firstly the possible damages caused during transportation or storage should be checked prior to the mounting and installation. If damages like shocks, cracks or others due to an improper handling or humidity, corrosion inside the equipment due to an improper storage appear, contact Centork or your nearest distributor.
- Furthermore, follow the 'Electric actuators installation and maintenance manual'. In case they are not available, request a copy from Centork.
- In any case, the following points are very important for a correct function:
 - * Every single Centork electric actuators have thermal protection in the motor windings. They must be integrated in the control circuit.
 - * Wrong electric connection or a faulty control circuit may cause serious damage to valve or actuator. Every Centork actuator is supplied with its wiring diagram and with a proposed control circuit enclosed to the 'Electric actuators installation and maintenance manual'. Also inside the terminal connection cover the wiring diagram is available.
 - * Before switching on, bring valve manually to intermediate position. Then check the sense of rotation. Limit and Torque switches are ineffective if sense of rotation is wrong.

Subject to change without notice. Previous data sheets invalid with the issue of the latest data sheets.

VALVE
CONTROL



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