

TITLE: CENTRONIK REMOTE MOUNTING FOR CK AND CKR ELECTRIC ACTUATORS. INSTRUCTIONS
MODELS: CENTRONIK UNIT

CK range multi-turn electric actuators with centronik units, the centronik unit can be remote mounting, from the actuator, up to 100 meters, when the actuator will be exposed to high temperatures, difficult access, or in case of heavy vibrations.

⚠ Observe all the safety instructions described on the actuator safe user installation manual. WARNING: Ensure all power supplies are isolated before removing any covers.

The mounting bracket and mounting adaptor pieces have been design in order to withstand the centronik unit (weight), other uses are not allowed.

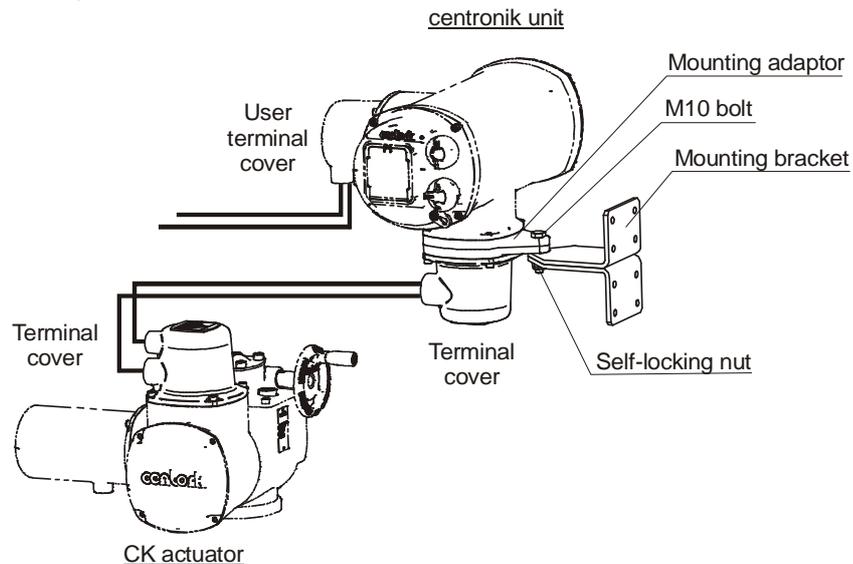
Mounting:

Fix the mounting brackets, to the wall pedestal, pillar or structural element, by using proper fixing methods, according to the base material in which it will be mounted; Use stainless steel sleeve anchors, or screws, suitable for 9 mm holes.

- Once the centronik unit has been mounted, and the cabling of the internal connection has been done, then, mount the centronik unit with the terminal cover and the mounting adaptor to the mounting brackets, tightening the M10 and self-locking nut.
- Check the correct assembly position, giving enough clearance for easy access and maintenance

Electric actuator with electro mechanical switch mechanism (EMSM) Cabling

- Refer to proper actuator with centronik wiring diagram, specially, the internal connection between centronik and actuator.
- Use suitable flexible cable and screened connecting cables
- Observe all the instructions already described in the Actuator Safe use installation manual, nº7 chapter.
- Permissible max. distance, 100 meters



- For the electrical connection at wall bracket, the terminals are made as butt crimp connections.
 - Control (signal) cables:
 - Use Rotork approved butt crimps, **JST crimp terminal, CVDGF1.25-5** (It is required a suitable four indent crimp tool, for crimping).
 - cross section: max 0.75 to 1.5 mm²
 - cross section: Wire Size AWG Max: 16AWG, Min: 22AWG
 - For CPT wires, use separate CAN bus data cable, cross section 0.5 mm²
 - Mains connection,
 - Use Rotork approved solderless splices (Butt), vinyl or nylon insulate.
 - cross section: max 2 to 6 mm²
 - cross section: Wire Size AWG Max: 12AWG, Min: 10AWG

Once the cabling and connection is done, user shall check/verify the continuity of the wiring, and proper connection at both sides (Actuator terminal cover and centronik internal connection cover).

Connection cables (except analog cable) must be subject to an insulation test in compliance with EN50178

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