



The Quarter master Protek failsafe electric actuator features a rechargeable battery pack, a built-in trickle charger, a low battery indicator, and an auxiliary limit switch that is calibrated with the fail position. The battery pack is installed inside of the actuator housing, so a separate enclosure to house the battery is not required.

When power is received from the primary power source, it is directed to the actuator motor and switches for normal cycling of the actuator. When the primary power source is interrupted, the battery pack is then connected to the motor and switches, and powers the actuator to the failsafe position. In this failsafe position, the auxiliary limit switch is tripped, and can be wired to an alarm. Once the primary power source is restored, the battery pack is disconnected and normal operation resumes.

Standard Features

- **Compact design:** Rechargeable battery pack is installed inside of actuator housing
- **Battery indicator:** "Low battery charge" indicator light is installed in one of the conduit entries for visual status of battery charge
- **Trickle charger:** Standard unit is equipped with built-in, automatic trickle charger to maintain full charge to battery pack
- **Remote-local switch:** Located inside of housing facilitates start-up and maintenance
- **Fail position:** Calibrated for fail open or fail close
- **Extended duty cycle:** 75 percent duty cycle motor
- **Gear train:** Permanently lubricated, hardened steel gearing
- **Weatherproof enclosure** has a thermally bonded powder coat finish with stainless steel trim
- **ISO mounting configuration:** FO7/17mm star
- **Conduit:** 1/2" FNPT conduit entry
- **Position indication:** Highly visible beacon position indicator for positive position of valve, even at a distance
- **Dec clutchable manual override:** Pull up on indicator knob, insert 5/8" wrench onto flats and rotate in the appropriate direction (CCW for open/CW for close)
- **Manual override** to be used ONLY when there is no supply power and no battery power
- **Models with handwheel override** do not require a wrench. Simply push down on handwheel until engaged with cam and rotate
- **Limit switches:** Unit is standard with two end of travel limit switches, and one auxiliary limit switch that is calibrated with the fail position
- **Corrosion resistant mounting:** Mounting is with PPG or stainless steel bracket, stainless steel coupling, and stainless steel fasteners
- **Output torque:** Series 92 actuators have an output torque range from 400 in./lbs. to 2,000 in./lbs.

Engineering Specifications

Size: S92, A92, B92, C92
 Torque: 400 in./lbs. - 2000 in./lbs.
 Voltage: 120 VAC, 1-phase, 50/60Hz
 Amp Draw: 0.4A
 depending on supply voltage
 Conduit Entry: one 1/2" FNPT
 Maximum Ambient Temperature: 150° F
 Switches: three SPDT, 11 amp rated. Two (2) for end of travel, one auxiliary calibrated with fail position.
 Cycle Time per 90 degree: 15 seconds for S92 & A92*
 32 seconds for B92 & C92*

*Cycle times are approximate

Options

- Voltages
- Heater and thermostat
- Additional limit switch (Total of four) - 2 - position, 2 dry contact)
- Feedback potentiometer
- Local Remote Station (PT100)