



The DHC positioner is a high performance, high resolution digital positioner. A simple three-button control is used to configure ALL parameters that the unit needs for a variety of applications, and eliminates the need for special meters and/or tools for calibration. As long as there is supply power, the unit can easily be field calibrated.

This positioner can be calibrated for various command types (such as 4-20 mA, 1-5 VDC, 0-5 VDC, 0-10 VDC, or digital) and also the default operation upon loss of command (such as fail open, fail close, or fail as is). The optional transmitter/auxiliary limit switch module is installed into the positioner card via plug and socket. This allows a user-defined feedback signal of current or voltage, and provides 3-SPST relay contacts for open position, closed position and a fault condition.

Series 94 Standard Features

- Reversing, brushless capacitor-run motor (120 VAC and 220 VAC)
- All 120 VAC and 220 VAC motors are CE compliant, and bear the CE mark
- Integral thermal overload protection for motor windings with automatic reset (120 VAC & 220 VAC)
- 75- 100 percent duty cycle motor
- Permanently lubricated gearing
- NEMA Type 4X enclosure
- Engineered resin enclosure
- ISO mounting FO5/14mm star
- Two 1/2" FNPT conduit entry to eliminate cross feed between control, feedback, and power signals
- Highly visible position indicator for positive position of valve, even at a distance
- Declutchable manual override: Push down on handle and rotate
- Series 94 actuators have an output torque range from 150 in./lbs. to 300 in./lbs.

Positioner Standard Features

- High resolution
- Simple push-button calibration
- Calibrated as standard or reverse acting
- Multi-meter not required for potentiometer calibration
- Control signal not required for calibration
- Options install into positioner via plug and socket
- Selectable fail position for loss of input signal; fail open, fail close, or fail as is
- Selectable input signal; 4-20 mA, 1-5 VDC, 0-5 VDC, 0-10 VDC, or digital
- Loss of command and feedback potentiometer fault detection
- Motor stall detection will sense when the motor has reached a stall condition and remove power from the motor

Series 94 Engineering Specifications

Size: A94, B94

Torque: 150 in./lbs - 300 in./lbs

Voltage: 120 VAC, 1-phase, 50/60Hz

Amp Draw: A94 = 0.5A

B94 = 0.8A

Duty Cycle: A94 = 100%

B94 = 75%

Conduit Entry: two 1/2" FNPT

Maximum Ambient Temperature: 150° F

Switches: two single pole, double throw

(Two SPDT) , 15 amp rated

Cycle Time per 90 degree: A94, B94 5 seconds*

*Cycle times are approximate.

Actuator/Positioner Options

- Voltages: 230 VAC, and low AC or DC
- Heater and thermostat
- Mechanical brake
- 4-20 mA Output transmitter with three SPST relay contacts
- ModBus
- Local Remote Station (PK100)