

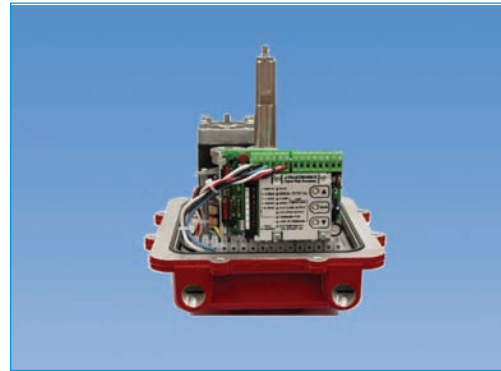
The DHC-100 positioner is a high performance, high resolution digital positioner. A simple three button control is used to configure ALL parameters that the unit needs for a variety of applications, and eliminates the need for special meters and/or tools for calibration. As long as there is supply power, the unit can easily be field calibrated. This positioner can be calibrated for various command types (such as 4-20mA, 1-5vdc, 0-5vdc, 0-10vdc, 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 92 Standard Features

- Reversing, brushless capacitor run motor (115 VAC & 230 VAC)
- All 115 VAC and 230 VAC motors are CE Compliant, and bear the CE mark
- Integral thermal overload protection for motor windings with automatic reset (115 VAC & 230 VAC)
- 50% - 100% duty cycle motor
- Permanently lubricated, Rockwell hardened solid alloy steel gearing
- Combination Type 4X, 7, & 9 enclosure for use in various environments
- Corrosion Resistant thermally bonded baked powder coating with stainless steel trim
- ISO mounting configuration
- Two (2) 1/2" FNPT conduit entry to eliminate cross feed between control, feedback, and power signals
- 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). Models with handwheel override do not require a wrench. Simply push down on handwheel until engaged with cam and rotate
- Output torque: Series 92 actuators have an output torque range from 400 in/lbs to 2000 in/lbs

Positioner Standard Features

- High resolution
- Simple Pushbutton 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



Positioner Standard Features (cont.'d)

- Selectable input signal; 4-20mA, 1-5vdc, 0-5 VDC, 0-10 VDC, or digital
- Loss of command & feedback potentiometer fault detection
- Motor stall detection will sense when the motor has reached a stall condition & remove power from the motor

Actuator/Positioner Options

- Voltages: 230 VAC, and low AC or DC
- Heater and thermostat
- Mechanical Brake
- 4-20mA output transmitter with 3-SPST Relay Contacts

Series 92 Engineering Specifications

Size: S92, A92, B92, C92

Torque: 400 in/lbs - 2000 in/lbs

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

Amp Draw: S92 = 0.5A

A92 = 0.8A

B92 = 0.5A

C92 = 1.0A

Duty Cycle: S92 = 100%

A92 = 75%

B92 = 100%

C92 = 50%

Conduit Entry: two (2) 1/2" FNPT

Maximum Ambient Temperature: 150 F

Switches: two (2) single pole, double throw (2SPDT), 15 amp rated

Cycle Time per 90 : 15 seconds for S92 & A92*,
32 seconds for B92 & C92*

*Cycle times are approximate