



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 (115 VAC and 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)
- 75- 100 percent duty cycle motor
- Permanently lubricated gearing
- Rated Type 4X enclosure
- ZYTEL FR50 engineered resin enclosure
- ISO mounting
- 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
- Output torque: 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

# Peaktronics Positioner

## Specifications

Size	115 VAC		230 VAC		24 VAC		24 VDC		Cycle Time * 90 ( SEC )
	Amp Draw	Duty Cycle	Amp Draw	Duty Cycle	Amp Draw	Duty Cycle	Amp Draw	Duty Cycle	
A94	0.5	100%	0.4	100%	4.0	75%	4.0	75%	5
B94	0.8	75%	0.6	75%	4.0	75%	4.0	75%	5
S92	0.5	100%	0.4	100%	3.0	75%	4.0	75%	15
A95	0.8	75%	0.6	75%	3.0	75%	4.0	75%	15
B95	0.5	100%	0.4	100%	3.0	75%	4.0	75%	32
C92	1.0	50%	0.6	50%	3.0	75%	4.0	75%	32

\*Cycle times are approximate.

