



DHC-100 Digital Positioner

New Positioner provides 450 point of resolution for quarter turn actuators

Asahi America, Inc. is now offering the DHC-100 digital positioner as well as a full line of positioners for all common voltages, 115 VAC, 230 VAC, 12 VDC and 24 VDC, for the Series 92 and Series 94 Electric Actuators.

The DHC-100 is a high performance \ digital positioner, providing 450 points of resolution for quarter turn actuators ranging from 2 sec to 120 sec and rated for a 25% duty cycle or more. The DHC-100 has many automatic advanced features that will enhance our actuators while maintaining ease of installation and calibration.

The simple three button control is used to configure all parameters the unit needs for a wide variety of applications, and allows the *open* and *closed* positions to be easily set for direct or reversing acting without any rewiring. The unit can be configured for various command types (4-20mA, 1-5V, 0-5V, 0-10V, or a digital command) and its default operation upon loss of command. Various option modules are easily plugged into the unit, providing other features such as a position feedback signal (current or voltage)/auxiliary switches, fault relay contact, or digital communications. A wide range of data is accessible through the optional digital communications module, providing additional control or information.



The DHC-100 is available for the Series 92 or 94 electric actuator.

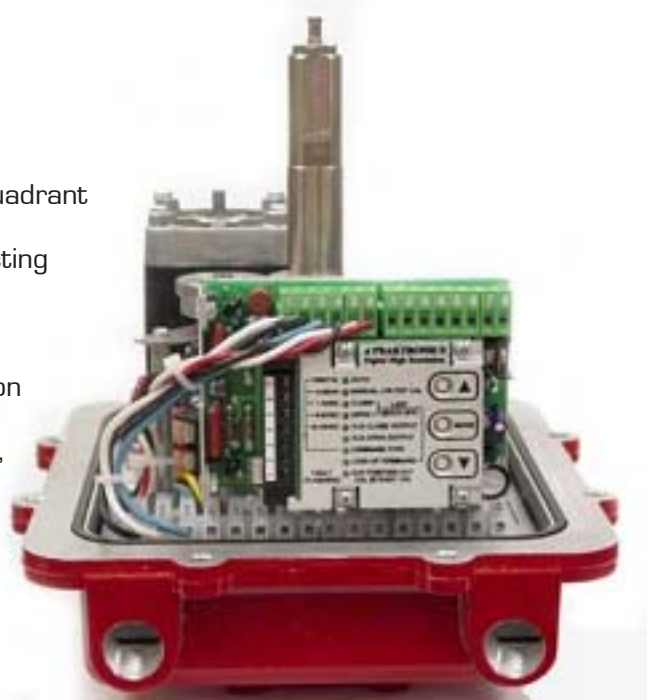
The Series 92 electric actuators feature a reversing, capacitor run motor, with a permanently lubricated gear train, and hardened steel spur gears. These actuators are equipped with integral thermal overload protection (AC models) with automatic reset, independently adjustable limit switches, declutchable manual override, beacon position indication, baked powder coating with stainless steel trim, ISO bolt circle, and 2 (two) 1/2" NPT conduit entries. Series 92 electric actuators are standard with a combination enclosure of Nema-4X, 7 & 9, and provide up to 2000 in-lbs. of output torque.

The Series 94 electric actuators feature a reversing, capacitor run motor, with a permanently lubricated gear train. These actuators are equipped with integral thermal overload protection (AC models) with automatic reset, independently adjustable limit switches, declutchable manual override, position indicator, Zytel FR50 housing with stainless steel trim, ISO bolt circle, and 2 (two) 1/2" NPT conduit entries. Series 94 electric actuators are available with a NEMA 4X enclosure, and provide up to 300 in/lbs of output torque.

The Series 92 & 94 electric actuators employ a high duty cycle (100% most models)/low current (less than 5Amps locked rotor) motor which makes them ideal for modulating service applications.

DHC-100 Positioner Features and Benefits

- Positions to plus/minus 0.1° within a 90° quadrant
- Pushbutton calibration
- Can be calibrated as standard or reverse acting
- Multi-meter not required for pot calibration
- Control signal not required for calibration
- Options plug into positioner PCB
- Selectable "fail position" of open or close upon loss of command/signal
- Selectable input signal (4-20 mA, 0-10 VDC, 0-5 VDC, 1-5 VDC)
- Various supply voltages available
- Operating temperature range up to 150° F
- Fault detection
- Duty cycle control protection eliminating thermal-cutout occurrences
- Stall detection protection



Optional 4-20 mA Transmitter plugs into PCB



Actuator Features and Benefits

- Reversing, brushless motor
- Integral thermal overload protection for motor windings with automatic reset
- Permanently lubricated gear train
- Corrosion Resistant housing
- ISO mounting configuration
- Two 1/2" FNPT conduit entries to eliminate cross feed between control, feedback, and power signals
- Highly visible position indicator for positive position of valve
- Declutchable manual override
- CE compliant motors
- Low current motors
- Extended duty cycles
- Output torque: Series 92 Electric Actuators have an output torque range from 400 in/lbs to 2000 in/lbs
- Output torque: Series 94 Electric Actuators have an output torque range from 150 in/lbs to 300 in/lbs

