ELECTRIC VALVE ACTUATOR

Series 92

Electric actuator · 400 – 2,000 in-lbs

A reversing, capacitor-run electric actuator in a weatherproof Type 4X powder-coated housing with stainless steel trim. Extended duty cycles suit modulating and high-cycling applications.

- Integral thermal overload, automatic reset
- Permanently lubricated hardened steel gears
- ISO mounting – F07 / 17 mm star
- Declutchable manual override
- Two ½" NPT conduit entries



400–2,000	15 / 32 s	Type 4X	F07 17 mm
TORQUE · IN-LBS	CYCLE PER 90° (APPROX.)	ENCLOSURE RATING	ISO MOUNTING · STAR

The range.

FOUR SIZES · 120 VAC STANDARD

S92

Torque	400 in-lbs
Cycle / 90°	15 s*
120 VAC amp	0.5 A
120 VAC duty	100%
Weight	15.3 lbs

A92

Torque	700 in-lbs
Cycle / 90°	15 s*
120 VAC amp	0.8 A
120 VAC duty	75%
Weight	15.3 lbs

B92

Torque	1,100 in-lbs
Cycle / 90°	32 s*
120 VAC amp	0.5 A
120 VAC duty	100%
Weight	15.3 lbs

C92

Torque	2,000 in-lbs
Cycle / 90°	32 s*
120 VAC amp	1.0 A
120 VAC duty	50%
Weight	18.3 lbs

MANUAL OVERRIDE
Pull up the indicator knob, fit a 5/8" wrench onto the flats and rotate (CCW open, CW close). Handwheel models need no wrench – push down until engaged with the cam and rotate.

LIMIT SWITCHES
Two SPDT end-of-travel switches, 15 A rated, for light indication – not to be used with a PLC for position confirmation.

OPTIONS

- **RHM relay heater module**
- **Positioner (modulating PCB)**
- Auxiliary limit switches
- Heater & thermostat
- Feedback potentiometer
- Mechanical brake
- Transmitter
- Cycle length control (CLC)
- Two-wire control
- Failsafe battery back-up (Protek)
- Voltages
- Local remote station (LL200)
- UL1203 explosion-proof enclosure

UL-508 LISTED
CE-COMPLIANT 120 & 220 VAC MOTORS

Engineering data.

AMP DRAW (A) · DUTY CYCLE BY VOLTAGE

		120 VAC		220 VAC		12 VDC		24 VDC		12 VAC		24 VAC			
Model	Torque in-lbs	Amp	Duty	Amp	Duty	Amp	Duty	Amp	Duty	Amp	Duty	Amp	Duty	Cycle / 90° (s)*	Weight lbs
S92	**400**	0.5	100%	0.4	100%	2.0	75%	4.0	75%	2.0	75%	3.0	75%	15	15.3
A92	**700**	0.8	75%	0.6	75%	2.0	75%	4.0	75%	2.0	75%	3.0	75%	15	15.3
B92	**1100**	0.5	100%	0.4	100%	2.0	75%	4.0	75%	2.0	75%	3.0	75%	32	15.3
C92	**2000**	1.0	50%	0.6	50%	2.0	75%	4.0	75%	2.0	75%	3.0	75%	32	18.3

Amp rating is considered locked rotor. Duty cycles are for ambient temperature (73 °F). * Cycle times are approximate. 120 VAC is standard; other voltages are options.

Specification.

SERIES 92 · S92 · A92 · B92 · C92

ENGINEERING SPECIFICATIONS

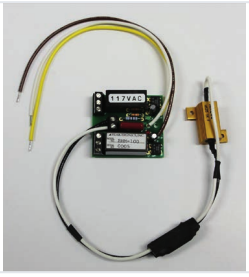
Sizes	S92, A92, B92, C92
Torque	400 – 2,000 in-lbs
Standard voltage	120 VAC 1 ph 50/60 Hz
Amp draw (120 VAC)	S92, B92 0.5 A · A92 0.8 A · C92 1.0 A
Switches	Two (2) SPDT, 15 A rated
Cycle time per 90°	S92, A92: 15 s approx. · B92, C92: 32 s approx.
Conduit entry	Two (2) ½" NPT
Max ambient temp.	150 °F

CONSTRUCTION

Motor	Reversing, brushless, capacitor-run 120 VAC 50/60 Hz, single phase
Overload protection	Integral thermal, motor windings, auto reset
Gear train	Permanently lubricated hardened steel
Housing	Thermally bonded powder coat, Type 4X, SS trim
Cover screws	Captivated SS hex-head slotted
Mounting	ISO F07 / 17 mm star · PPG or SS bracket, SS coupling & hardware
Approvals	UL-508 Listed · 120 VAC & 220 VAC motors CE compliant

Optional RHM – relay heater module.

SERIES 92 / SERIES 94

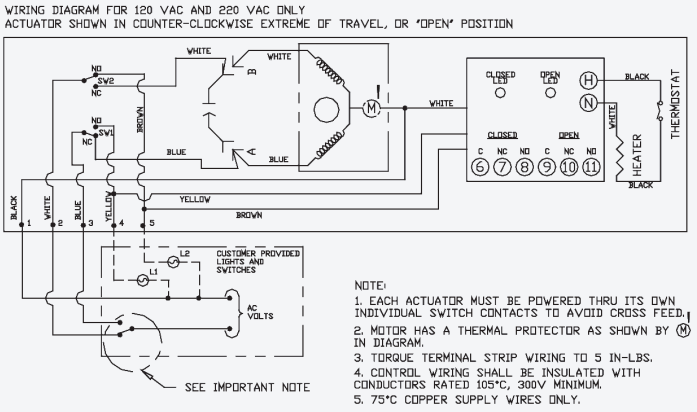


Standard voltage	120 VAC
Optional voltages	220 VAC, 12 VAC, 24 VAC, 12 VDC, 24 VDC
Operating current	42 mA @ 120 VAC · 39 mA @ 220 VAC · 89 mA @ 12 VAC · 43 mA @ 24 VAC · 37 mA @ 12 VDC · 23 mA @ 24 VDC
Relay outputs	Form C, 8 A
Operating temp.	-40 to 85 °C
Approval	Approved for UL508 & UL1203 actuators

The RHM powers an optional heater and thermostat without an additional constant power source or wiring, and provides open and close **Form C dry contacts** that replace auxiliary switches. A 2-pin terminal block connects the heater and thermostat; two 3-pin blocks connect the relays.

At the end of the open (or close) cycle the limit switch trips and powers the RHM – heater and thermostat, the open (close) relay coil and the red (green) LED – giving contact closure and confirming heater power. Power must be maintained at end of travel; no heater power is provided in mid travel.

AC WIRING – 120 VAC AND 220 VAC ONLY



Data supplied by Asahi/America and provided for reference only. Specifications may change without notice – please confirm details with Actuation Valve & Control before ordering.

AV®

Automating a valve?

Talk to our UK team about Series 92 actuators, options and complete actuated valve packages.

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