

R SERIES

100 IN-LBS, NEMA 4

The R series ultra-compact electric rotary actuator was specifically designed for small ball valve and damper applications.

SPECIFICATIONS:

TORQUE 100 In-Lb (11.3 Nm)

CYCLE TIME 2.5 Sec./90 115Vac & 230Vac
2.9 Sec./90 12Vdc, 24Vdc, 24Vac motor (75%)

DUTY CYCLE 25% standard on 115Vac and 230Vac
75% standard on 12Vdc, 24Vdc and 24Vac

MOTOR Permanent split capacitor (for AC) with thermal overload protection



CURRENT RATINGS FL= Full Load, LR= Lock Rotor

115 Vac (Std.)		24 Vac		24 Vdc		12 Vdc		208 Vac/1Ph/60Hz		230 Vac/1Ph/60Hz	
FL	LR	FL	LR	FL	LR	FL	LR	FL	LR	FL	LR
0.40	0.55	0.40	2.40	0.40	2.40	0.60	2.90	0.36	0.72	0.33	0.38

The motor's LR amps must be taken into account when sizing the input power supply and fuses. Slow blow fuses are recommended

CERTIFICATIONS CSA Master Contract 178618
CANADIAN CSA C22.2 No. 139-10 Electrically Operated Valves 3rd Edition, Class 3221 02 - Valves – General Purpose Actuators
UNITED STATES UL 429 Electrically Operated Valves 7th Edition, Class 3221 82 - Valves – Actuators General Purpose Actuators certified to US Standards

APPROVED VOLTAGES 12Vdc, 115Vac & 230Vac
APPROVED TEMP. -4F (-20C) to 104F (40C)
APPROVED OPTIONS Power off Brake, Spring Friction Brake, One or Two Auxiliary Switches (For complete list of options, see option grid in catalog page 33)

COATING Thermally bonded polyester powder

INDICATOR Visual Dome style
Electric Feedback from limit switches, same as operating voltage

SWITCHES Snap action SPDT, 15A @ 250Vac

LUBRICATION Grease Permanent, little or no maintenance required

WEIGHT Pound 7 (lb)
Kilogram 3.2 (kg)

MOUNTING Universal

MOUNTING PAD ISO 5211 F03 (9mm star drive), F04 (11mm star drive) AND F03/04 (11mm star drive with F03 bolt circle)



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TEMPERATURE	-40F (-40C) to 150F (65.6C), heater & thermostat required 0F and below Optional double heater for application up to -76F (-60C)
OVERRIDE	Manual, non-declutching Declutching manual override not available DC voltage cannot be manually operated

