

R SERIES

100 IN-LBS, NEMA 4

The R series ultra-compact electric rotary actuator was 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		

115VAC (Std.)		24VAC		24VDC		12VDC		208VAC/1PH/60HZ		230VAC/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	0.32	0.68

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	
CERTIFIED VOLTAGES	12Vdc, 115Vac & 230Vac	
CERTIFIED TEMP.	-4F (-20C) to 104F (40C)	
CERTIFIED OPTIONS	Power off Brake, Spring Friction Brake, One or Two Auxiliary Switches (For complete list of options, see option grid in catalog page 40)	
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	7 lb (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)	
TEMPERATURE	-40F (-40C) to 150F (65.6C), heater & thermostat required 0F and below Optional double heater for application down to -76F (-60C)	



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OVERRIDE

Manual, non-declutching
 Declutching manual override not available
 DC voltage cannot be manually operated

TECHNICAL DRAWING:

