

# R SERIES

## 100 IN-LBS, NEMA 4 & 4X

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 Sec./90	115Vac & 230Vac
	3 Sec./90	12Vdc, 24Vdc, 24Vac motor
DUTY CYCLE	25% standard on 115Vac and 230Vac 75% standard on 12Vdc, 24Vdc and 24Vac	
MOTOR	AC: Permanent split capacitor with thermal overload protection DC: Brush type	

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
0.43	0.55	0.75	2.60	0.75	2.60	1.35	4.50	0.38	0.80	0.35	0.68

EXTERNAL FUSING REQUIRED. REFER TO FL CURRENT RATINGS WHEN SIZING INPUT POWER SUPPLY & FUSES. SLOW BLOW FUSES ARE RECOMMENDED.  
(FOR ACTUATORS EQUIPPED WITH AN OPTIONAL HEATER(s): HEATER CURRENT IS NOT INCLUDED IN ABOVE FL RATINGS)

CERTIFICATIONS	CSA / CUS	Master Contract 178618
CANADIAN	CSA C22.2 No. 139:19, Class 3221 02 - Actuators – General Purpose Actuators	
UNITED STATES	UL 429, Class 3221 82 - Actuators certified to US Standards	
CERTIFIED VOLTAGES	12Vdc, 115Vac & 230Vac, 24Vdc	
CERTIFIED TEMP.	-40F (-40C) to 140F (60C)	
CERTIFIED OPTIONS	One or Two Auxiliary Switches, Unidirectional Operation, Heater, Thermostat (For complete list of available options, see Options Grid: Catalog Page 38)	
ENCLOSURE COATING	Thermally bonded polyester powder	
INDICATOR	Visual Electric	Dome style Feedback from limit switches, same as operating voltage
SWITCHES	Snap action	SPDT, 15A @ 250Vac
LUBRICATION	Grease	Permanent, 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)	
FULL TEMP. RANGE	-40F (-40C) to 150F (65.6C), heater & thermostat required 0F and below Consult Factory for optional low temperature heater configuration for applications down to -76F (-60C)	
OPTIONAL HEATER	Add 15 Watts for optional heater	



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### OVERRIDE

115VAC, 208VAC/230VAC:  
24VAC & All DC Voltages:  
Declutching Manual Override:

Manual Non-Declutching (Standard)  
Cannot be manually operated  
Not available for any R-Series Model Actuator

### COVER REMOVAL

Allow for 2-1/2" (63.5mm) Clearance

