

**RAPID CONTROLS PVT.LTD.**

B-47, Mayapuri, Indl. Area, Phase-1, New Delhi-64 (India)

Phone - 28117185, 28113873, 28115349, 45128360

E-mail : rapidcontrols@gmail.com, rapidcontrols47@gmail.com

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TECHNICAL DATA SHEET
HIGH TORQUE ELECTRIC ACTUATOR-RC744-SERIES 220V AC

S.No.	DESCRIPTION	DETAILS	
1	ACTUATOR MAKE	"RC"	
	ELECTRIC ACTUATOR DETAILS		
2	BODY	CAST ALUMINIUM	
3	TOP COVER	CAST ALUMINIUM	
4	TYPE OF OPERATION	QUARTER TURN ROTARY MOTION, NON-SPRING RETURN TYPE	
5	VOLTAGE SUPPLY	250V AC	
6	POWER CONSUMPTION	RC7448	25 watt
		RC74410	80 watt
		RC74415	80 watt
		RC75520	180 watt
		RC74425	180 watt
		RC74430	320 watt
		RC74435	320 watt
		RC74440	360 watt
7	CURRENT CONSUMPTION	RC7448	0.1 Amp
		RC74410	0.4 Amp
		RC74415	0.4 Amp
		RC75520	0.8 Amp
		RC74425	0.8 Amp
		RC74430	1.5 Amp
		RC74435	1.5 Amp
		RC74440	1.8 Amp
8	MOTOR PROTECTION	"F" CLASS INSULATION	
9	ENCLOSURE ELECTRICAL INSULATION	CLASS-I	
10	AUXILIARY SWITCH	5 x SPDT, 10 Amp, 220V AC Max "TVS Cherry" make OR EQUIVALENT/10 Nos. (IN CASE OF INTEGRAL STARTER)	
11	CONTROL SIGNAL	ON OFF TYPE / 2 POSITION FLOATING 4-20mA MODULATING (OPTIONAL)	
12	OUTPUT TORQUE	RC7448	100 Nm
		RC74410	150 Nm
		RC74415	250 Nm
		RC75520	400 Nm
		RC74425	500 Nm





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13	FEEDBACK PROVISION	RC74430	1750 Nm
		RC74435	2000 Nm
		RC74440	2750 Nm
		OPEN STATUS (NO/NC) , CLOSE STATUS (NO/NC) POTENTIAL FREE FEEDBACK,RATING 220V AC,10 Amp Max 4-20mA ANALOG SIGNAL (OPTIONAL) Works with 24V AC/DC supply and 4-20mA input signal only	
14	FAIL SAFE	STAY PUT	
15	MANUAL OVERRIDE PROVISION	HAND WHEEL, NON DE-CLUTCH TYPE	
16	INGRESS PROTECTION	IP 67 (IP 68 OPTIONAL)	
17	ANTI-CONDENSATION HEATER	YES, ANTI-CONDENSATION SPACE HEATER	
18	VISUAL INDICATION	TOP MOUNTED CONTINUOUS MECHANICAL INDICATION	
19	WIRE CONNECTION	STRIP TERMINAL/PRE-WIRED WITH 1 FOOT EXTENDED WIRE	
20	CABLE GLAND	RC7448	PG11
		RC74410	
		RC74415	
		RC74420	PG13.5
		RC74425	
		RC74430	PG18
		RC74435	
		RC74440	
21	OPERATION TEMPERATURE LIMIT	-0°C TO 80°C	
22	STORAGE TEMPERATURE LIMIT	20°C TO 40°C	
23	NOISE RATING	Within permissible range	
24	COATING	EPOXY COATED,PAINTED AND BAKED	
25	DUTY CYCLE	60%DUTY CYCLE	
26	MAINTENANCE	MAINTENANCE FREE	
27	GEAR TERRAIN	SELF LOCKING PLANETARY GEAR TYPE WITH WORM GEAR	
28	PHYSICAL LIMITS	PHYSICAL STOPPER,ADJUSTABLES	
29	ELECTRONIC LIMIT	ALUMINUM CAM,ADJUSTABLES	
	INTEGRAL STARTER	(OPTIONAL)	
30	POSITION SWITCH	OPEN/CLOSE(SELECT SWITCH TYPE)	
31	MODE SWITCH	LOCAL/OFF/REMOTE(SELECTOR SWITCH TYPE)	
32	VISUAL INDICATION	OPEN/CLOSE/TORQUE OVERLOAD/MAINS	
33	FEEDBACK	TORQUE OVERLOAD STATUS,POTENTIAL FREE FEEDBACK,RATING 220V AC,10 Amp Max	
34	INGRESS PROTECTION	IP67/IP68(OPTIONAL)	





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INTEGRAL STARTER (OPTIONAL)		
35	POSITION SWITCH	OPEN/CLOSE (SELECTOR SWITCH TYPE)
36	MODE SELECTION	LOCAL/OFF/REMOTE(SELECTOR SWITCH TYPE)
37	VISUAL INDICATION	OPEN/CLOSE/TORQUE OVERLOAD/MAINS
38	FEEDBACK	TORQUE OVERLOAD STATUS,POTENTIAL FREE FEEDBACK, RATING 220V AC,10 Amp Max
39	INGRESS PROTECTION	I.P.-67

