

	HJR4102E
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- Small size and low cost
- DIP standard terminals
- Surge Strength 1500V FCC68
- Sealed type available
- Conform to RoHS,ELV directive



ORDERING CODE

<u>HJR4102E</u>	D	—	<u>12VDC</u>	—	<u>S</u>	—	<u>Z</u>	***
1	2	3	4	5	6			
1. Relay Model	3. Coil Nominal Voltage		5. Z: Form C; H: Form A					
2. Coil Power N=0.45W, D=0.36W, L=0.2W	3, 5, 6, 9, 12, 24, 48 VDC		4. Sealed					

COIL DATA (at 20°C)

Nominal Voltage (VDC)	3	5	6	9	12	24	48	0.45W
Coil Resistance ($\Omega \pm 10\%$)	20	56	80	180	320	1280	5120	
Rated Current (mA)	150	90	75	50	37.5	18.7	9	
Max Operate Voltage (VDC)	2.25	3.75	4.5	6.75	9	18	36	
Min Release Voltage (VDC)	0.3	0.5	0.6	0.9	1.2	2.4	4.8	0.36W
Coil Resistance ($\Omega \pm 10\%$)	25	69	100	225	400	1600	6400	
Rated Current (mA)	120	71.4	60	40	30	15	7.5	
Max Operate Voltage (VDC)	2.25	3.75	4.5	6.75	9	18	36	
Min Release Voltage (VDC)	0.3	0.5	0.6	0.9	1.2	2.4	4.8	0.2W
Coil Resistance ($\Omega \pm 10\%$)	45	125	180	105	720	2880	/	
Rated Current (mA)	66.7	40	33.3	22.2	16.7	8.3	/	
Max Operate Voltage (VDC)	2.25	3.75	4.5	6.75	9	18	/	
Min Release Voltage (VDC)	0.3	0.5	0.6	0.9	1.2	2.4	/	
Max Applicable Voltage	70°C 130%, 23°C 170%							

CONTACT DATA

Contact Form	1H/1Z
Contact Material	Silver Alloy
Load	Resistive load(COS Φ =1)
Contact Ratings	3A 120VAC/24VDC 1A250VAC(TUV)
Minimum load	1mA 5VDC
Max Switching Voltage	240VAC/60VDC
Max Switching Current	5A
Max Switching Power	360VA/90W
Contact Resistance	100m Ω Max at 6VDC 1A
Life Expectancy	Electrical : 100,000 Operations(at30Operations/minute)
	Mechanical : 10,000,000 Operations(at300Operations/minute)

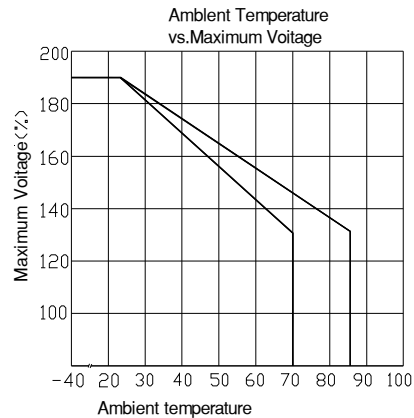
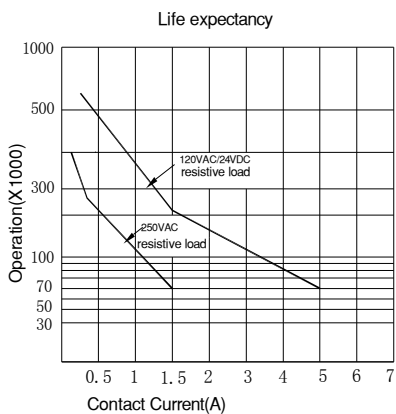
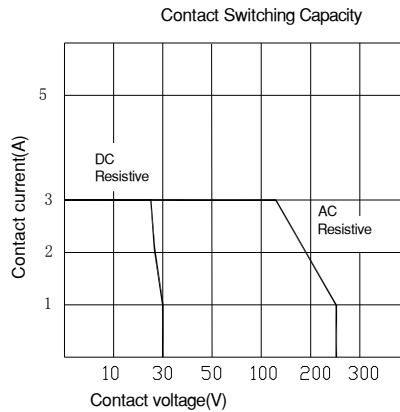
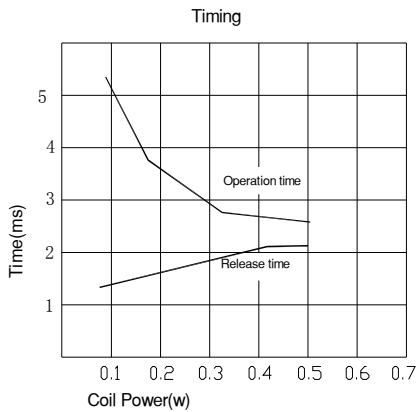
■ CHARACTERISTICS DATA

Insulation Resistance	100MΩ Min at 500VDC
Dielectric Strength Between Open Contacts	500VAC(for one minute)
Between Contacts and coil	1000VAC(for one minute) or 1500VAC(for one minute)
Operate Time	5ms
Release Time	5ms
Temperature Range	-30°C to +85°C
Shock Resistance	Operating Extremes : 10G
	Damage Limits : 50G
Vibration Resistance	10-55Hz, 1.5mm
Max. switching frequency	Mechanical: 18,000operations/hr
	Electrical: 1,800operations/hr
Humidity	40-85%
Weight	Approx 3.5g
Safety Standard	UL cUL TÜV CQC

■ APPROVED STANDARDS

Model	Coiling rating	Safety Standard	Contact rating
HJR4102E	3 to 48VDC	TÜV	3A 120VAC 3A 24VDC 1A 250VAC
		UL/cUL	3A 120VAC 3A 24VDC
		CQC	1A 250VAC 3A 120VAC

■ ENGINEERING DATA



Indian Technological Products Private Limited

OVERALL AND MOUNTING DIMENSIONS

