













PROFILE

Established in the year 2001, RAO ELECTRO MECHANICAL RELAYS PVT. LTD. is a renown manufacturer and supplier of various kinds of Electro-Mechanical relays. Our company is specialized in research, development and mass production of electromagnetic relays. Our company manufacture relays as per customer specifications.

Maintaining a global viewpoint, we are dedicated to manufacture products of the high quality yet at a reasonable price for customer satisfaction. To match up with the latest demands of the market, we regularly upgrade our manufacturing facilities as well as technical skills of our team.

Products We Offer

Our product range includes all type of Automotive Relays, Magnetic Latching Relays, Power Relays, General Purpose Relays, Electrical Relays, Electronic Relays, AC Relays.

Our product range is recognized as the most innovative and quality-conscious name in the industry. We stay ahead by manufacturing the most feature-rich, highest-rated and cost-effective relays. All our products are provided according to standard specification and in customized finishes.

Main Competitive Advantages

- Large production capacity
- Competitive prices
- Total quality control
- New products development
- Reliability
- Less lead time
- •Manufacture relays according to customer specification.







Quality Policy

Our ultimate goal is to improve the quality of life of our people who are employed in the organization by producing quality products.

The main focuses of our quality policy are:-

- Involvement of each and every employee at all levels in the quality improvement process and manufacturing.
- Believe in hard work, social equality, democratic, truthful ways and transparency in every job done at our organization.
- Strive for excellence in every activity through continuous improvement in the quality of products being manufactured at our organization.















Туре	RE-01	RE-02	RE-02-New
Outer View			
Dimensions(mm) L x W x H (Approx)	23.2*22.1*18.7	37.9*21.5*16.3	36.1*23.4*15.7
Contact Form	1A,1C	1A,1C	1A
Rated Switching Current	20A/12VDC	30A/12VDC	35A/12VDC
Max. Switching Voltage	14VDC	14VDC	14VDC
Max. Switching Current	20A/30A/40A/50A/70A	30A	35A
Max. Switching Power	280W	280W	490W
Contact Resistance (Initial)	2.2m ohm (Typically)	2.3m ohm (Typically)	1.88 m ohm (Typically)
Coil Voltage	12V,24V	12V,24V	12V,24V
Coil Power Consumption	1.6W	1.37W	1.37W
Di- electric strength Between open Contacts	1000VAC/I min	1000VAC/ I min	1000VAC/I min
Di- electric strength Between Coil & contact	750VAC/I min	750V AC/I min	750V AC/I min
Insulation Resistance	>100M ohms/500VDC	>100M ohms/500VDC	>100M ohms/500VDC
Electrical Life	1*10 ⁵ OPS	1*10 ⁵ OPS	1*10 ⁵ OPS
Mechanical Life	1*10 ⁶ OPS	1*10 ⁶ OPS	1*10 ⁶ OPS
Ambient Temp. Range	10°c to 60°c	10°c to 60°c	10°c to 60°c
Terminal Shape	PCB Mounted	Plug-In	Plug-In
Wiring diagram	1 FORM A COLL 1 FORM C	30 85 66 67	30 65 66 87
Drilling Plan	7,15	22±0.5 85 87 80.15 80.15 3±0.15	23Max. 33 37 37 38 39 39 39 30 31 31 31 31 31 31 31 31 31 31 31 31 31
Weight (Approx)	16.0g	13.8g	19.6g



Туре	RE-03	RE-03-C-NS	RE-03–48 V-5 PIN-[II] RELAYS
Outer View			
Dimensions(mm) LxWxH(Approx)	53.0*32.9*29.0	26.0*26.0*52.0	35.0*28.5*36.0
Contact Form	1A,1B,1C	1A, 1C	1A, 1C
Rated Switching Current	30A/12VDC 20A/12VDC	40A / 30 A 12VDC	20A / 10 A 48VDC
Max. Switching Voltage	14VDC	14VDC	48VDC
Max. Switching Current	30A	40A	20A
Max. Switching Power	420W	560W	960W
Contact Resistance (Initial)	3.6m ohm (Typically)	3.6m ohm (Typically)	3.6m ohm (Typically)
Coil Voltage	12V,24V	12V	48VDC
Coil Power Consumption	1.9W	1.6W	1.9W
Di- electric strength Between open Contacts	1000V AC/I min	1000V AC / I min	1000V AC / I min
Di- electric strength Between Coil & contacts	750V AC/I min	750V AC / I min	750V AC / I min
Insulation Resistance	>100M ohms/500VDC	>100M ohms/500VDC	>100M ohms/500VDC
Electrical Life	1*10⁵OPS	1*10⁵ OPS	1*10⁵ OPS
Mechanical Life	1*10 ⁶ OPS	1*10° OPS	1*10 ⁶ OPS
Ambient Temp. Range	10°c to 60°c	10°c to 60°c	10°c to 60°c
Terminal Shape	Plug-In	Plug-In	Plug-In
Wiring diagram	30 65 66 67	30 65 66 67	30 65 66 67
	30 65 86 87 87a	30 85 66 67 87a	30 85 86 87 87a
Drilling Plan	250 17 17 90 40 20 0 20 0 20 0 20 0 20 0 20 0 20	30 02 07 07 07 07 07 07 07 07 07 07 07 07 07	250,10 200,10 30,00 30,1
Weight (Approx)	33.0g		



Туре	RE-04	RE-05	RE-06
Outer View			200
Dimensions(mm) LxWxH(Approx)	55.1*34.2*31.1	27.6*21.9*26.4	32.7*32.1*28.0
Contact Form	1A,1C	1A, 1C	1A,1C
Rated Switching Current	60A/12VDC	20A/12VDC 15A/12VDC	20A/12VDC 10A/12VDC
Max. Switching Voltage	14VDC	14VDC	14VDC
Max. Switching Current	60A	20A	20A
Max. Switching Power	840W	280W	280W
Contact Resistance (Initial)	2.2m ohm(Typically)	2.2m ohm (Typically)	2.7m ohm (Typically)
Coil Voltage	12V, 24V	12V,24V	12V,24V
Coil Power Consumption	1.89W	1.6W	0.93W
Di- electric strength Between open Contacts	1000V AC/I min	1000VAC/I min	1000V AC/I min
Di- electric strength Between Coil & contacts	750V AC/I min	750V AC/I min	750V AC/I min
Insulation Resistance	>100M ohms/500VDC>	100M ohms/500VDC	>100M ohms/500VDC
Electrical Life	1*10⁵OPS	1*10 ⁵ OPS	1*10 ⁵ OPS
Mechanical Life	1*10 ⁶ OPS	1*10 ⁶ OPS	1*10 ⁶ OPS
Ambient Temp. Range	10°c to 60°c	10°c to 60°c	10°c to 60°c
Terminal Shape	Plug-In	PCB Mounted	PCB Mounted &Plug-In
Wiring diagram	30 85 86 87 878	COM NO NC 1 FORM C 1 FORM C	
Drilling Plan	17.9 8.4 1 10.0 PH 66.5 5 10.0 PH 66	7,5	32.1 77 17.8 2.54 15.4 2.54
Weight (Approx)	40.6g	21.0g	27.0g



Туре	RE-07	RE-08	RE-09P
Outer View			
Dimensions(mm)LxWxH(Approx)	33.0*28.0*23.5	37.2*29.2*29.1	39.1*27.8*27.4
Contact Form	1A,1B,1C	1A	1C
Rated Switching Current	20A/12VDC	30A/12VDC	30A/12VDC
	10A/12VDC		20A/12VDC
Max. Switching Voltage	14VDC	14VDC	14VDC
Max. Switching Current	20A	30A	30A
Max. Switching Power	280W	420W	420W
Contact Resistance (Initial)	2.9m ohm(Typically)	2.5mOhm (Typically)	1.7 m ohm (Typically)
Coil Voltage	12V,24V	12V,24V	12V,24V
Coil Power Consumption	0.93W	1.7W	1.7W
Di- electric strength Between open Contacts	1000V AC/I min	1000V AC/I min	1000V AC/I min
Di- electric strength Between Coil & contact	750V AC/I min	750V AC/I min	750V AC/I min
Insulation Resistance	>100M ohms/500VDC	>100M ohms/500VDC	>100M ohms/500VDC
Electrical Life	1*10⁵OPS	1*10⁵OPS	1*10⁵OPS
Mechanical Life	1*10°OPS	1*10 ⁶ OPS	1*10 ⁶ OPS
Ambient Temp. Range	10°c to 60°c	10°c to 60°c	10°c to 60°c
Terminal Shape	PCB Mounted	Plug-In	Plug-In
Wiring diagram		30 85 86 87	B E A C D
Drilling Plan	32.1 15.4 38.0 14.1 254	00 00 00 00 00 00 00 00 00 00 00 00 00	01 02 03 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Weight (Approx)	23.2g	27.4g	28.0g



Туре	RE-09A	RE-10	RE-11
Outer View			
Dimensions(mm) L x W x H (Approx)	37.1*27.5*27.4	30.4*16.2*37.7	60.6*39.5*29.5
Contact Form	1C	1A	1A
Rated Switching Current	30A/12VDC 20A/12VDC	25A/12VDC	60A
Max. Switching Voltage	14VDC	14VDC	14VDC
Max. Switching Current	30A	25A	60A
Max. Switching Power	420W	350W	840W
Contact Resistance (Initial)	1.7m ohm(Typically)	3.6 m ohm (Typically)	1.0m ohm (Typically)
Coil Voltage	12V,24V	12V	12V,24V
Coil Power Consumption	1.7W	0.93W	2.48W
Di- electric strength Between open Contacts	1000V AC/I min	1000V AC/I min	1000V AC/I min
Di- electric strength Between Coil & contact	750V AC/I min	750V AC/I min	750V AC/I min
Insulation Resistance	>100M ohms/500VDC	>100M ohms/500VDC	>100M ohms/500VDC
Electrical Life	1*10 ⁵ OPS	1*10 ⁵ OPS	1*10 ⁵ OPS
Mechanical Life	1*10 ⁶ OPS	1*10 ⁶ OPS	1*10 ⁶ OPS
Ambient Temp. Range	10°c to 60°c	10°c to 60°c	10°c to 60°c
Terminal Shape	Plug-In	PCB Mounted & Plug-In	Plug-In
Wiring Diagram	B E A C D		30 85 86 87
Drilling Plan	10 00 00 00 00 00 00 00 00 00 00 00 00 0	27.6000 22.0000 12.0000	17.90 47.52 88 87 45.00 26.00
Weight (Approx)	27.2g	21.0g	40.6g



Туре	RE-12	RE-13	RE-14A
Outer View			
Dimensions(mm) L x W x H (Approx)	38.9*34.6*49.6	50.3*32.8*28.2	57.8*37.0*37.0
Contact Form	1A	1A	1A
Rated Switching Current	90A	60A	100A/12VDC
Max. Switching Voltage	14VDC	14VDC	14VDC
Max. Switching Current	90A	60A	150A
Max. Switching Power	1260W	840W	2100W
Contact Resistance (Initial)	1.11m ohm(Typically)	1.5m ohm (Typically)	0.93m ohm (Typically)
Coil Voltage	12V	12V,24V	12V
Coil Power Consumption	33.5W	3.65W	42.35W
Di- electric strength Between open Contacts	1000V AC/I min	1000V AC/I min	1000V AC/I min
Di- electric strength Between Coil & contact	750V AC/I min	750V AC/I min	750V AC/I min
Insulation Resistance	>100M ohms/500VDC	>100M ohms/500VDC	>100M ohms/500VDC
Electrical Life	1*10⁵OPS	1*10⁵OPS	1*10 ⁵ OPS
Mechanical Life	1*10 ⁶ OPS	1*10 ⁶ OPS	1*10 ⁶ OPS
Ambient Temp. Range	10°c to 60°c	10°c to 60°c	10°c to 60°c
Terminal Shape	Bolt Terminal	Plug In	Bolt Terminal
Wiring diagram	30A 1 1 0		2 3
Drilling Plan	110.38	87.83 ————————————————————————————————————	94.72
Weight (Approx)	91.2g	46.0g	128g



Туре	RE-14B	RE-14C	RE-14D
Outer View			
Dimensions(mm) L x W x H (Approx)	75.7*57.4*42.9	74.7*51.7*37.0	50.0*48.3*59.0
Contact Form	1A	1A	1A
Rated Switching Current	100A/12VDC	100A/12VDC	100A/12VDC
Max. Switching Voltage	14VDC	14VDC	14VDC
Max. Switching Current	150A	150A	150A
Max. Switching Power	2100W	2100W	2100W
Contact Resistance (Initial)	0.93m ohm (Typically)	0.93m ohm (Typically)	0.93m ohm (Typically)
Coil Voltage	12V	12V	12V
Coil Power Consumption	42.35W	42.35W	42.35W
Di- electric strength Between open Contacts	1000V AC/I min	1000V AC/I min	1000V AC/I min
Di- electric strength Between Coil & contact	750V AC/I min	750V AC/I min	750V AC/I min
Insulation Resistance	>100M ohms/500VDC	>100M ohms/500VDC	>100M ohms/500VDC
Electrical Life	1*10 ⁵ OPS	1*10 ⁵ OPS	1*10 ⁵ OPS
Mechanical Life	1*10 ⁶ OPS	1*10 ⁶ OPS	1*10 ⁶ OPS
Ambient Temp. Range	10°c to 60°c	10°c to 60°c	10°c to 60°c
Terminal Shape	Bolt Terminal	Bolt Terminal	Bolt Terminal
Wiring diagram	2 3	2 3	2 3
Drilling Plan	94.72	94.72	94.72
Weight (Approx)	148g	154.4g	



Туре	RE-14E	RE-15	RE-16
Outer View			
Dimensions(mm) L x W x H (Approx)	50.0*45.0*65.0	38.8*26.1*20.8	27.1*25.4*15.3
Contact Form	1A	1A	1A`
Rated Switching Current	100A/12VDC	22A/12VDC	20A/12VDC
Max. Switching Voltage	14VDC	14VDC	14VDC
Max. Switching Current	150A	25A	20A
Max. Switching Power	2100W	308W	280W
Contact Resistance (Initial)	0.93m ohm (Typically)	3.40m ohm (Typically)	2.2m ohm (Typically)
Coil Voltage	12V	12V	12V
Coil Power Consumption	42.35W	1.6W	1.15W
Di- electric strength Between open Contacts	1000V AC/I min	1000V AC/I min	1000V AC/I min
Di- electric strength Between Coil & contact	750V AC/I min	750V AC/I min	750V AC/I min
Insulation Resistance	>100M ohms/500VDC	>100M ohms/500VDC	>100M ohms/500VDC
Electrical Life	1*10 ⁵ OPS	1*10⁵OPS	1*10⁵OPS
Mechanical Life	1*10 ⁶ OPS	1*10 ⁶ OPS	1*10 ⁶ OPS
Ambient Temp. Range	10°c to 60°c	10°c to 60°c	10°c to 60°c
Terminal Shape	Bolt Terminal	Plug -In	Plug-In
Wiring diagram	2 3		30 85 86 87
Drilling Plan	94.72	53.44 55.54 55.54	2300→
Weight (Approx)	148g	154.4g	



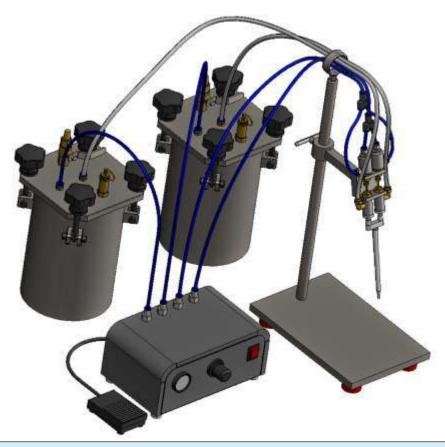
Туре	RE-17	RE-18	RE-19 C
Outer View			
Dimensions(mm) L x W x H (Approx)	35.9*28.5*28.3	40.5*27.1*26.3	36.6*26.0*22.0
Contact Form	1A	1A	1A, 1C
Rated Switching Current	40A/12VDC	70A/12VDC	30A/20A 12VDC
Max. Switching Voltage	14VDC	14VDC	14VDC
Max. Switching Current	40A	70A	30A
Max. Switching Power	840W	980W	420W
Contact Resistance (Initial)	1.6m ohm(Typically)	1.1m ohm (Typically)	3.6m ohm (Typically)
Coil Voltage	12V	12V	12V
Coil Power Consumption	1.89W	2.57W	1.6W
Di- electric strength Between open Contacts	1000V AC/I min	>1000V AC/I min	>1000V AC/I min
Di- electric strength Between Coil & contact	750V AC/I min	750V AC/I min	750V AC/I min
Insulation Resistance	>100M ohms/500VDC	>100 M ohms/500VDC	>100 M ohms/500VDC
Electrical Life	1*10⁵OPS	1*10⁵OPS	1*10 ⁵ OPS
Mechanical Life	1*10 ⁶ OPS	1*10 ⁶ OPS	1*10 ⁶ OPS
Ambient Temp. Range	10°c to 60°c	10°c to 60°c	10°c to 60°c
Terminal Shape	Plug -In	Plug-In	Plug-In
Wiring diagram	30 85 86 87	30 85 86 87	30 85 86 87 873
Drilling Plan	30.00 16.80 10	17.90 7.52 7.52 98 8 8 97 99 98 98 98 98 98 98 98 98 98 98 98 98	2,00,10 16,80,00,20 16,80,00 16,80,00 16,80,00 16,80,00 16,80,00 16,80,00 16,80,00 16,80,00 16,80,00 16,80,00 16,80,00 16,80,00 16,80,00 16,80,00 16,80,80 16,80,80 16,8
Weight (Approx)	18.6g	12.4g	26.8g



Туре	LTR-001	LTR-002
Outer View		
Dimensions(mm) L x W x H (Approx)	111.6*68.4*35.9	81*57*23
Contact Form	3A	1A
Rated Switching Current	70A/28VDC	50A/28VDC
Max. Switching Voltage	250V AC	250V AC
Max. Switching Current	70A	50A
Max. Switching Power	17500 VA	12500 VA
Contact Resistance (Initial)	0.93m ohm (Typically)	0.44m ohm (Typically)
Coil Voltage	12V	12V
Coil Power Consumption	Single Coil-5W Double Coil-10W	Single Coil-2W Double Coil-4W
Di- electric strength Between open Contacts	>1000V AC/I min	>1000V AC/I min
Di- electric strength Between Coil & contact	>1000V AC/I min	>1000V AC/I min
Insulation Resistance	>200 M ohms/1000VDC	>200 M ohms/1000VDC
Electrical Life	1*10 ⁵ OPS	1*10 ⁵ OPS
Mechanical Life	1*10 ⁶ OPS	1*10 ⁶ OPS
Ambient Temp. Range	10°c to 60°c	10°c to 60°c
Terminal Shape	Bolt Terminal	Bolt Terminal
Wiring Diagram & Outline Dimension	95.29 Max surple cold 12.25	39.66
Weight (Approx)	429.0g	78.0g



* AB GLUE DISPENSING MACHINE WITH MANUAL CLEANING FUNCTION.



Good for viscosity less than 10000cps. mixing ratio by weight is 1:1 to 1:3.

Liquid Material: AB glue, epoxy resin, PU glue, Two component material, two part mixing material.

Dispensing material capacity (Tank size 2nos)- 5 liter each.

Feed system: syringe dispensing.

Two component material, two part mixing material.

Air pressure: Not more than 5 bar.

Input Voltage: 230Volts (AC).

Valve type: Valve is Precision suck back valve, close glue quickly, ensure no dripping.

Glue flow adjustable.

NOTE:- Most Important:

Clean the mixing tube after finishing your job.

Idle time: 5minutes (max).

If not cleaned, the mixing tube will be jammed.



RO SOLENOID VALVE



GENERAL DATA

Model	SV-001 SOLENOID VALVE
Dimension	41.0 mm*33.0 mm*64.0 mm
Voltage	24 VDC
Coil Resistance	74 ohm ±5%
Orifice	2.5 mm
Pressure	0-120 psi
Valve Body	Daralin
Fluid	Water
Material	Stainless Steel
Color	Blue Cap
Weight	107.5 gm





RAO ELECTROMECHANICAL RELAYS PVT. LTD.

Plant I - WZ-65, Khayala Village, New Delhi-110018

Plant II - Plot No. 2016, M.I.E. Part B, Bahadur Garh, Jhajjar, Haryana, Pin: 124507

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