

FEATURE

- Small and high sensitivity
- Rational structure
- Various usages
- Many kind specifications
- Indicator lamp device available



PRODUCT PROPERTIES

Contact Form		1C	2C	3C	4C
Contact Material		Ag alloy			
Contact Ratings		16A 250VAC / 28VDC	10A 250VAC / 28VDC		
Max Switching Voltage		4,000VA / 450W	2,500VA / 280W		
Contact Resistance		100mΩ Max. at 6VDC 1A			
Life Expectancy	Electrical	100,000 Operations (at 30 Operations / minute)			
	Mechanical	10,000,000 Operations			
Insulation Resistance		1000MΩ Min. at 500VDC			
Dielectric Strength Between	Open Contacts	1,200VAC(for one minute) (Leak current : 1mA)			
	Contact poles	1,200VAC(for one minute) (Leak current : 1mA)			
	Contacts and coil	2,000VAC(for one minute) (Leak current : 1mA)			
Pick-up voltage (At 25 °C)		DC : ≤ 75 % Un., AC : ≤ 80 % Un.			
Drop-out voltage (At 25 °C)		DC : ≥10 % Un., AC : ≥ 30 % Un.			
Temperature Range		-25°C ~ +75°C			
Max. coil allowable voltage		120% un. at 25 °C			
Humidity		35% ~ 85%RH			
Atmospheric		86~106KPa			
Nominal coil power	DC(W)	0.9	1.4	1.5	
	AC(VA)	1.2	2	2.5	
Shock resistance		10G (Malfunction)			
Vibration resistance		10-55Hz, 1.0mm			
Weight		35g	50g	65g	
UL Safety Standard		UL E235027			

ORDERING INFORMATION

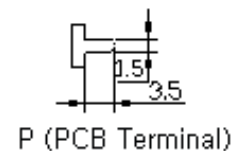
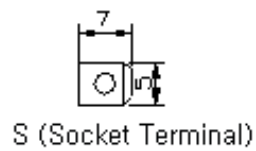
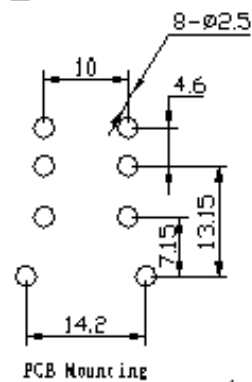
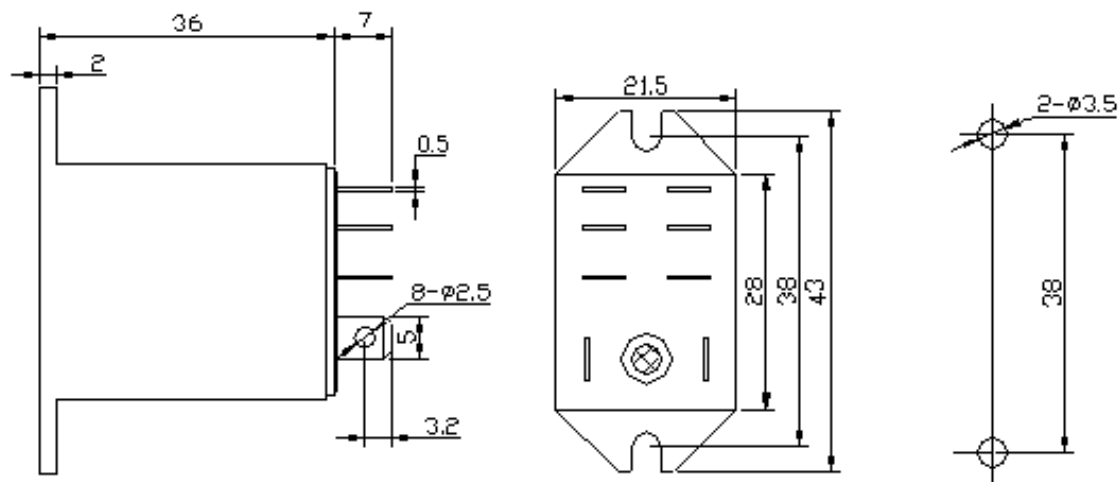
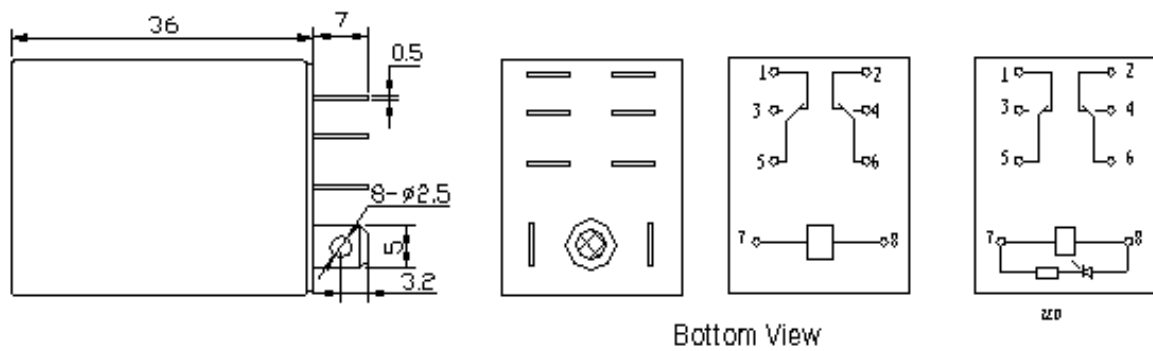
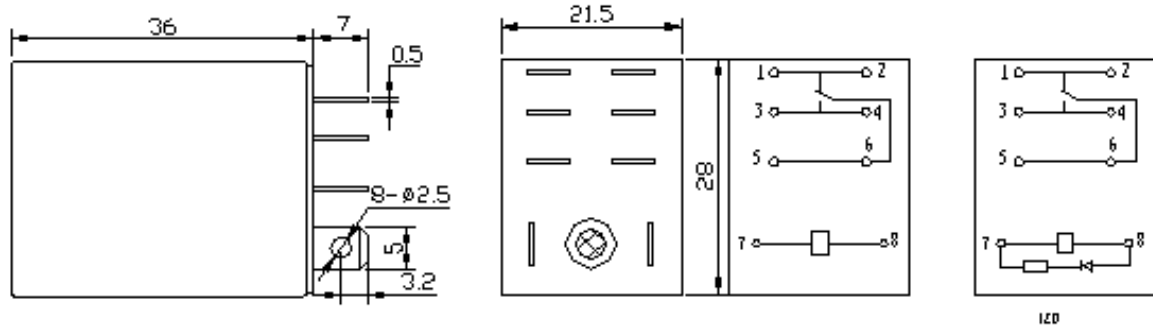
<u>LY</u>	<u>4</u>	<u>S</u>	<u>L</u>	<u>AC</u>	<u>220</u>	<u>V</u>	
1	2	3	4	5	6	7	
1. Model 2. Contact arrangement 2: 2Pole 3: 3Pole 4: 4Pole 3. S : Plug In (SOCKET) P : P.C. Board"				4. LED Lamp 5. AC, DC 6. Coil Voltage 7. Volt			

COIL PARAMETER

LY-1, LY-2					
Coil Voltage (VDC)	6V	9V	12V	24V	36V
Coil Resistance Ω ($\pm 10\%$)	40 Ω	90 Ω	160 Ω	650 Ω	1,500 Ω
	48V	100V	110V	220V	240V
	2,600 Ω	11,000 Ω	11,000 Ω	42,000 Ω	64,000 Ω
Coil Voltage (VAC)	6V	12V	24V	36V	48V
Coil Resistance Ω ($\pm 10\%$)	11.5 Ω	40 Ω	160 Ω	370 Ω	600 Ω
	110V	120V	220V	240V	380V
	3,750 Ω	3,900 Ω	13,000 Ω	18,790 Ω	42,000 Ω

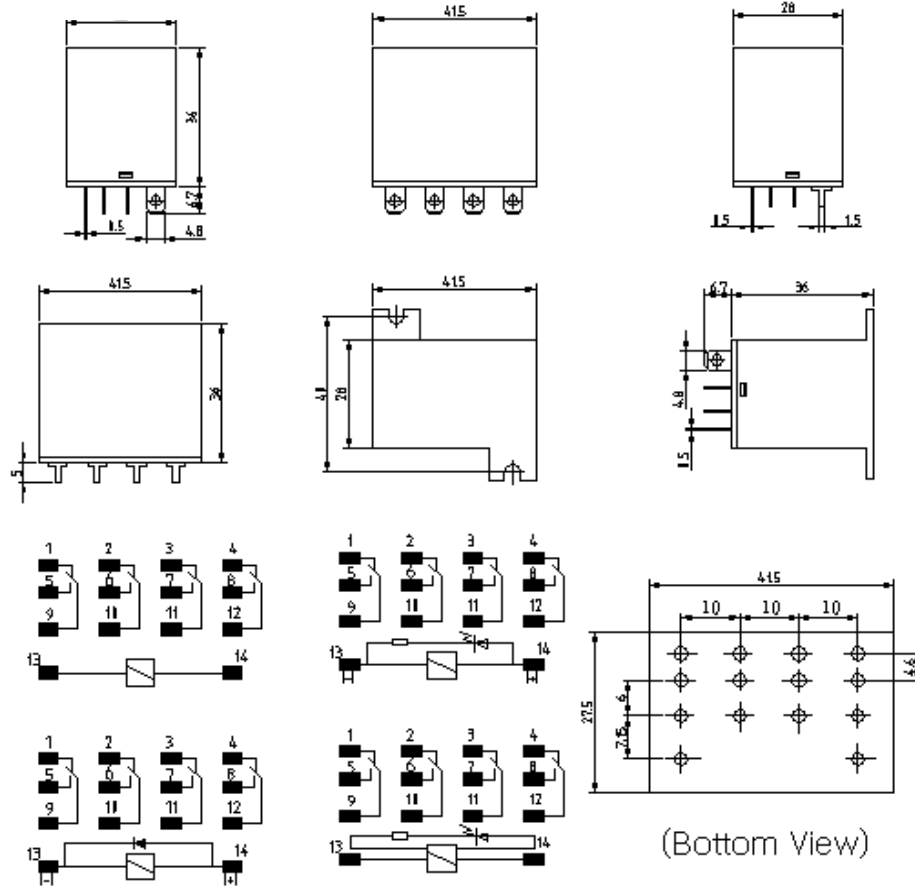
LY-3				LY-4			
Coil Voiltage (VDC)	Coil Resistance Ω ($\pm 10\%$)	AC Coil Voltage (VAC)	Coil Resistance Ω ($\pm 10\%$)	Coil Voiltage (VDC)	Coil Resistance Ω ($\pm 10\%$)	AC Coil Voltage (VAC)	Coil Resistanc e Ω ($\pm 10\%$)
6	25	6	6.5	6	24	6	5
9	56	12	25.5	9	54	12	24
12	100	24	102	12	96	24	80
24	400	36	230	24	350	36	180
36	900	48	410	36	865	48	320
48	1,600	110	2,300	48	1,540	100/110	1,680
110	8,400	120	2,700	110	6,800	120	2,000
		220	8,500			200/220	6,700
220	33,000	240	10,000	220	29,000	240	8,000
		380	27,500			380	29,000

DEMENSIONS(MM)



(Bottom View)

LY-4C



LY-3C

