

**leOne**®

L2RP

Relays

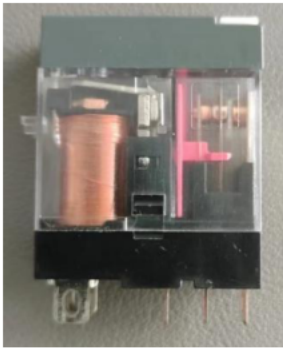
12A/10A/8A 250VAC 30VDC  
Panel Relay

Ver 1.0 (May 2024): Glomore

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| Prepared By | Approved By | Customer Approval           |
|-------------|-------------|-----------------------------|
|             |             | Signature with Company Seal |

\*Kindly return this datasheet to us with your signature and company seal within one month, or we will consider the document to be accepted by you.



L2RP - 1 - L D T - AC230

L2RP - Plug in Type

Contact form : 1: 1C  
2: 2C  
1A: 1A  
2A: 2A

Classification LDT: LED Indicator, Diode, Test Button  
Nil: Standard

Coil Data: AC230 : 230VAC  
DC12 : 12VDC  
DC24 : 24VDC

### Features :

- 8A/12A switching capacity
- 1A/1C, 2A/2C Contact configuration
- Dielectric strength (Between Coil and Contact) 5KV
- 2500VA / 1250VA Max. Switching power

| Model                |                                    | L2RP Series   |
|----------------------|------------------------------------|---|
| Features             | Dimension L * W * H (mm)           | PCB ( 29 x 13 x 35mm)   |
|                      | Terminal Type                      | Plug in type  |
|                      | Switching Capability               | 8A/12A 250VAC   |
| Contact Data         | Contact Form                       | 1A/2A, 1C/2C  |
|                      | Contact Material                   | Silver Alloy  |
|                      | Contact Capacity                   | (1C:12A) / (1A:10A) / (2A/2C:8A) / 230VAC/30VDC   |
|                      | Contact Resistance                 | 100mΩ Max. (at 1A / 6VDC)   |
| General Data         | Dielectric Strength                | 5500VAC 1min. between coil to contacts ( 50/60 Hz)<br>1000VAC 1min. between open contacts ( 50 / 60 Hz) |
|                      | Insulation Resistance              | 1000MΩ 500VDC   |
|                      | Vibration Resistance               | 10-55Hz ,1.0mm  |
|                      | Shock Resistance                   | Stability 98 m/s <sup>2</sup> , Strength 980m/s <sup>2</sup>  |
|                      | Electrical Life<br>Mechanical Life | 1 x 10 <sup>5</sup><br>AC:2 x 10 <sup>7</sup> DC:5 x 10 <sup>7</sup>                                    |
|                      | Humidity                           | 40% ~ 70% RH  |
|                      | Operating Temperature              | -40°C ~ +85°C   |
| Opearte/Release time | 20 ms / 10 ms                      |   |

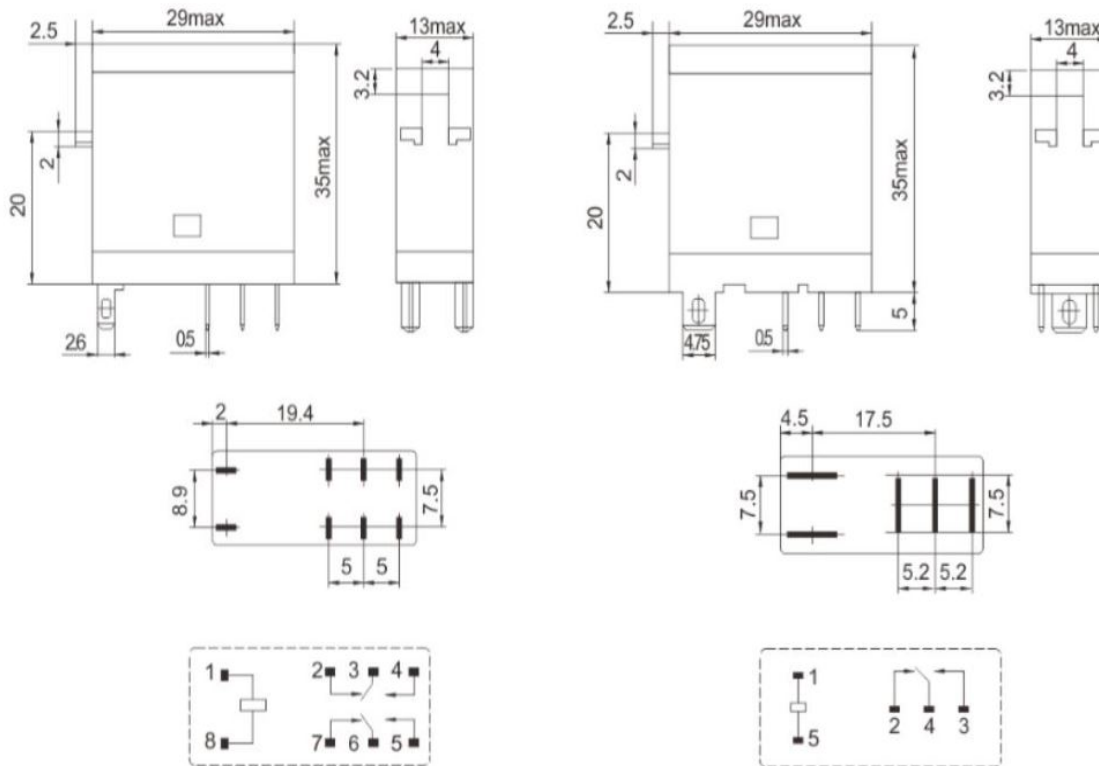
**COIL DATA (VDC)**

| Rated voltage (VDC) | Pick-up Voltage VDC (Max.) | Drop-out Voltage VDC (Min.) | Coil resistance ( $\Omega \pm 10\%$ ) | Power (mW) |
|---------------------|----------------------------|-----------------------------|---------------------------------------|------------|
| 6                   | $\leq 72\%$                | $\geq 12\%$                 | 68                                    | 530        |
| 12                  | $\leq 72\%$                | $\geq 12\%$                 | 270                                   | 530        |
| 24                  | $\leq 72\%$                | $\geq 12\%$                 | 1100                                  | 530        |
| 36                  | $\leq 72\%$                | $\geq 12\%$                 | 2440                                  | 530        |
| 48                  | $\leq 72\%$                | $\geq 12\%$                 | 4400                                  | 530        |
| 110                 | $\leq 72\%$                | $\geq 12\%$                 | 22800                                 | 530        |

**COIL DATA (VAC)**

| Rated voltage (VAC) | Pick-up Voltage VAC (Max.) | Drop-out Voltage VAC (Min.) | Coil resistance ( $\Omega \pm 10\%$ ) | Power (VA) |
|---------------------|----------------------------|-----------------------------|---------------------------------------|------------|
| 6                   | $\leq 75\%$                | $\geq 35\%$                 | 15                                    | 0.9        |
| 12                  | $\leq 75\%$                | $\geq 35\%$                 | 60                                    | 0.9        |
| 24                  | $\leq 75\%$                | $\geq 35\%$                 | 247                                   | 0.9        |
| 48                  | $\leq 75\%$                | $\geq 35\%$                 | 1100                                  | 0.9        |
| 115                 | $\leq 75\%$                | $\geq 35\%$                 | 6300                                  | 0.9        |
| 230                 | $\leq 75\%$                | $\geq 35\%$                 | 23500                                 | 0.9        |

**Overall Dimensions**



**Bottom View**