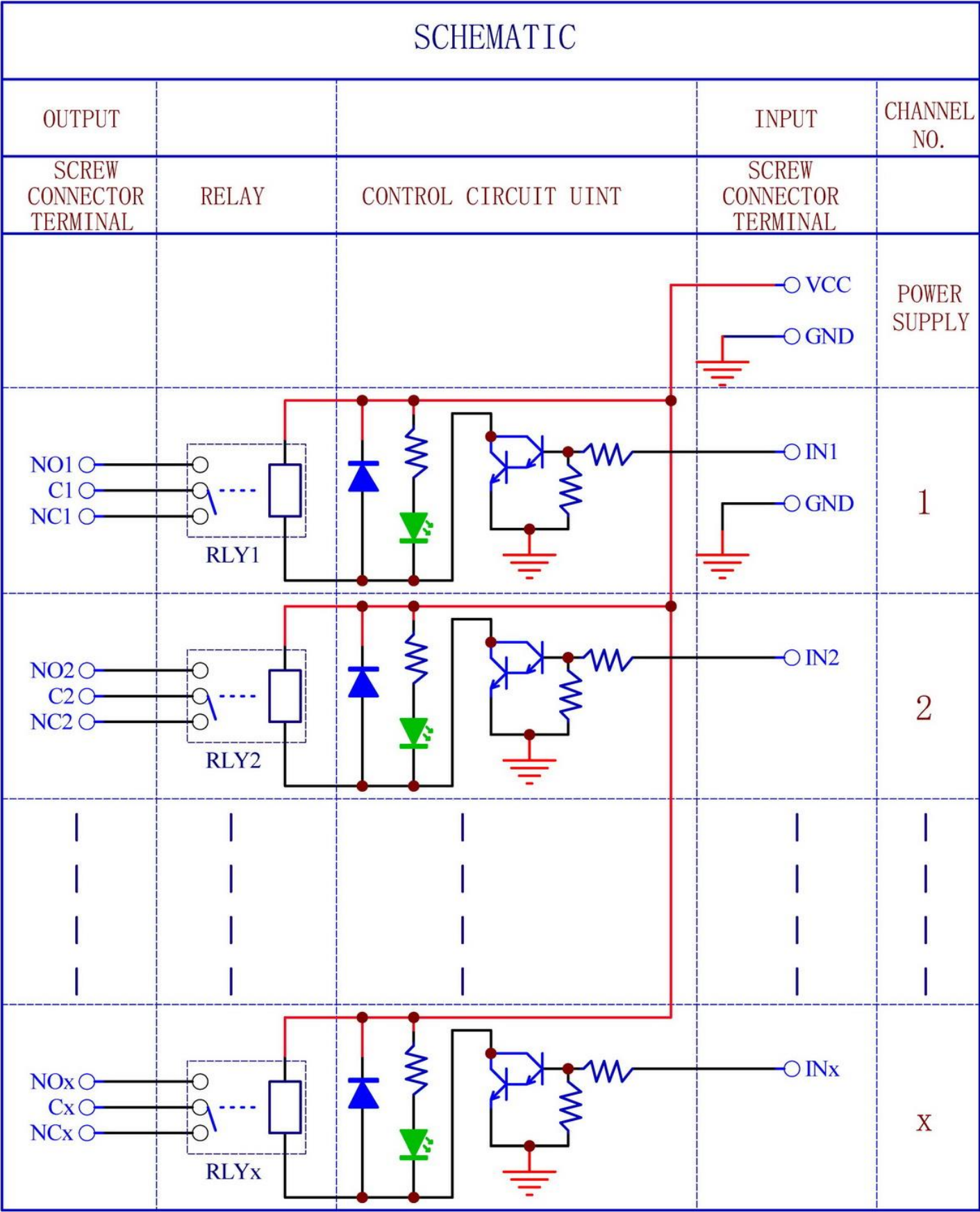


# Chunzehui Electronics-Salon

**4 SPDT 10Amp Power Relay Module**  
**Model: D-229 Series, Ver: 2.0**

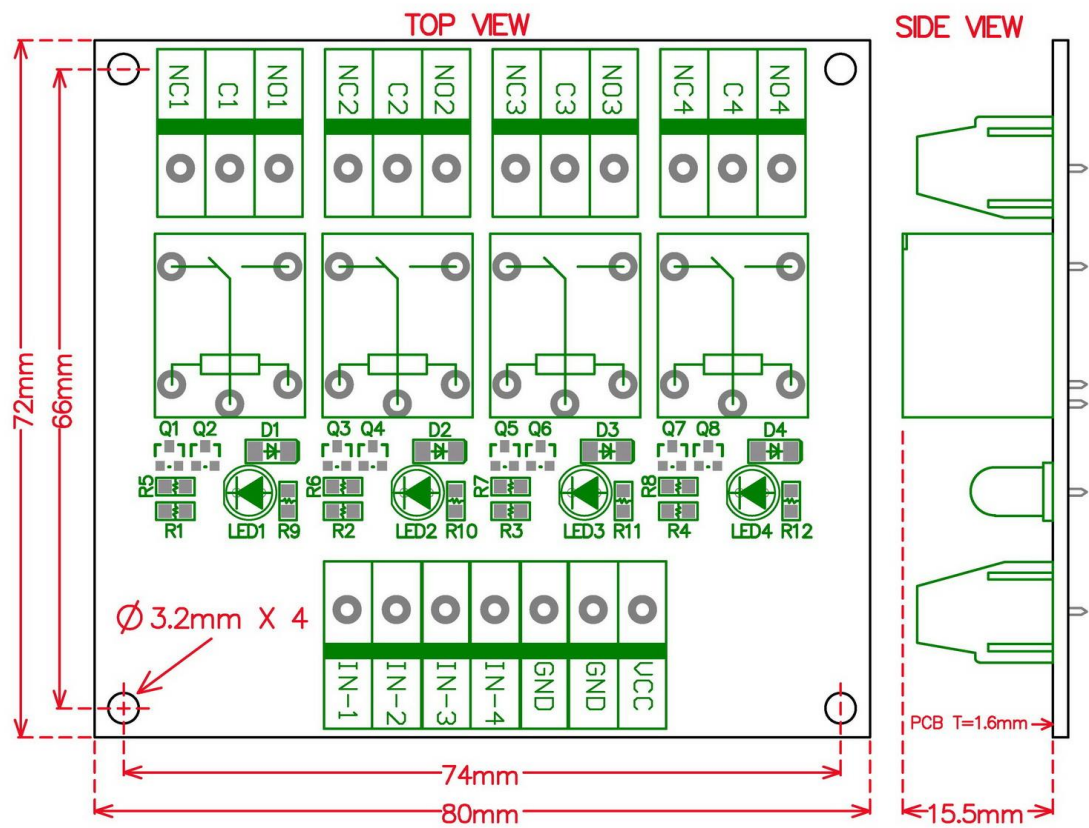


Schematic:

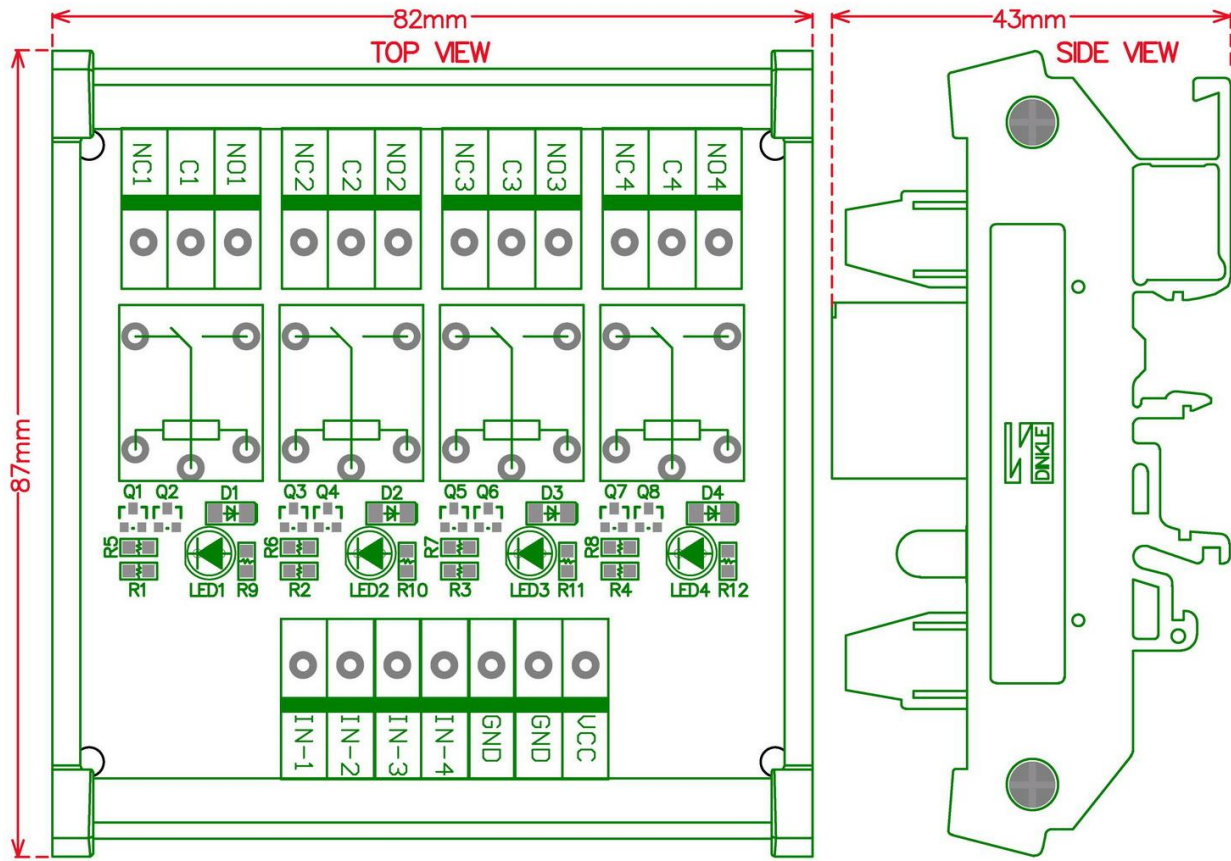


Dimensions:

Panel mount



DIN rail mount



**Feature:**

- 4 SPDT 10Amp power relays.
- LED indicator for each relay channel.
- Darlington transistor circuits drive relay coil (for 5V / 12V / 24V versions).
- High quality screw terminal block.
- FR-4 fiber glass PCB, dual copper layers.
- Panel mount or DIN rail mount versions are available. Taiwan DINKLE fireproof nylon material DIN rail mount carrier (not China low quality carrier), can support width 35mm / 32mm / 15mm rail, and the carrier can be taken apart for panel mount use.

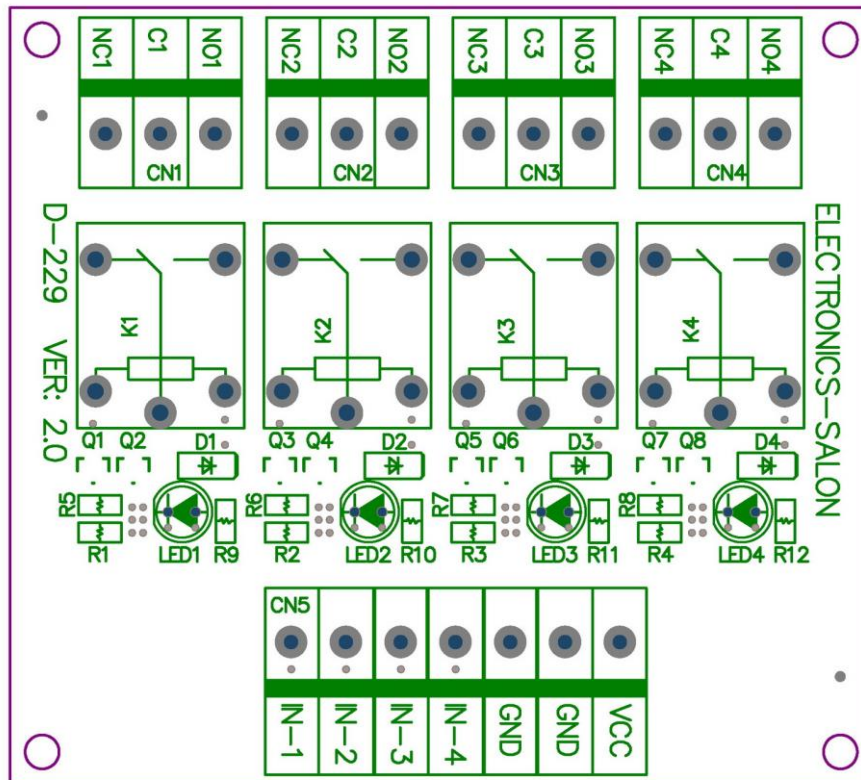
**Version List:**

| Part Number    | Mount Type     | Standard Operating Voltage |
|----------------|----------------|----------------------------|
| MD-D229/5V-1   | Panel mount    | 5V DC                      |
| MD-D229T/5V-1  | DIN rail mount |                            |
| MD-D229/12V-1  | Panel mount    | 12V DC                     |
| MD-D229T/12V-1 | DIN rail mount |                            |
| MD-D229/24V-1  | Panel mount    | 24V DC                     |
| MD-D229T/24V-1 | DIN rail mount |                            |
| MD-D229/48V-1  | Panel mount    | 48V DC                     |
| MD-D229T/48V-1 | DIN rail mount |                            |

**Characteristic Parameters:**

| Operating voltage                          |  |         |          |  |
|--|--|---------|----------|--|
| Voltage version                            | 5V   | 12V     | 24V      | 48V  |
| Operating voltage range                    | 3.8~7.5VDC                                       | 9~18VDC | 18~36VDC | 36~60VDC   |
| Operating current<br>(relay all action)    | 350mA  | 200mA   | 120mA    | 40mA   |
| Operating current<br>(relay all no action) | 0mA  |         |          |  |
| Control signal input                       |  |         |          |  |
| Low level<br>(Relay no action)             | 0V ~ 0.5V  |         |          |  |
| High level<br>(Relay action)               | 2.5V ~ 24V                                       |         |          |  |
| High level current                         | 0.1mA@2.5V<br>0.4mA@5V<br>1.1mA@12V<br>2.2mA@24V |         |          | 0.4mA@2.5V<br>1.0mA@5V<br>2.4mA@12V<br>5.0mA@24V |
| Output (relay switch) contact rating       |  |         |          |  |
| For AC                                     | 125/250 VAC, 10Amp                               |         |          |  |
| For DC                                     | 30VDC, 5Amp                                      |         |          |  |

## Wire Connect:



VCC: Operating power supply input (V+).  
GND: Operating power supply 0V(ground).  
GND: Control signal input 0V(ground).  
IN-x: Control signals input.  
NOx: Relay switch normally open terminal.  
NCx: Relay switch normally close terminal.  
Cx: Relay switch common terminal.

## Terminal Block:

Pitch 5.0mm/0.197" screw terminal block.  
Wire range 24AWG ~ 12AWG / 2.5mm<sup>2</sup>  
Strip length 7mm.  
Screws - M2.5, steel, Cr3+ Zn plated.  
Pin header and Cage - Brass.

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