

CZH-LABS

Electronics-Salon

AC/DC control SPDT 16Amp Pluggable Power Relay Module

Model: MD-D209 D210 D211 D231 Series

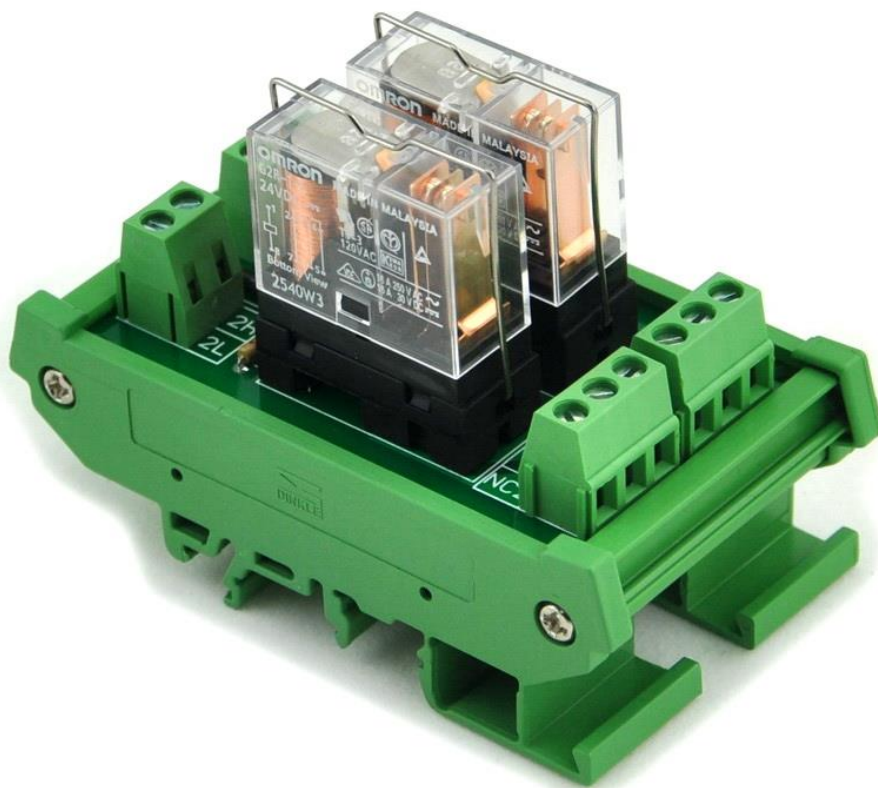
Version: 2.0

Series	Channel	Control Voltage	Page
MD-D209	2	AC/DC 12 or 24V	2 ~ 6
MD-D210	4	AC/DC 12 or 24V	7 ~ 11
MD-D211	8	AC/DC 12 or 24V	12 ~ 16
MD-D231	16	AC/DC 12 or 24V	17 ~ 21

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AC/DC control 2 SPDT 16Amp Pluggable Power Relay Module

Model: D-209 Series Version: 2.0



Feature:

- Omron G2R-1-E industrial power relays, switching current up to 16A at 250VAC (or 30VDC), and easy to replace pluggable relays.
- Support AC / DC control signals.
- LED indicator for each relay channel , relay coil protection by means of a freewheeling diode.
- 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.

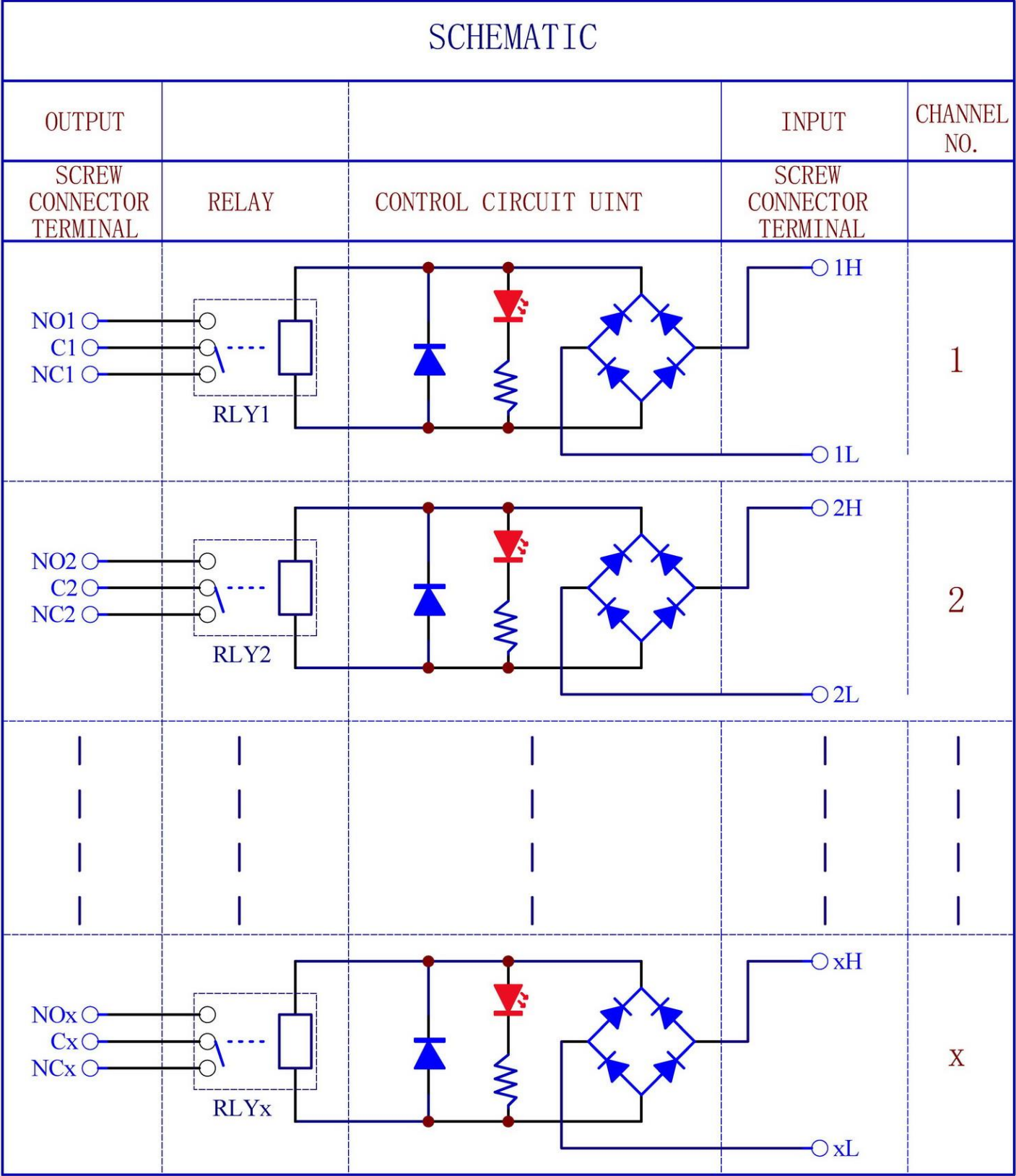
Version List:

Part Number	Mount Type	Standard Operating Voltage
MD-D209/12V-1	Panel mount	12V AC/DC
MD-D209T/12V-1	DIN rail mount	
MD-D209/24V-1	Panel mount	24V AC/DC
MD-D209T/24V-1	DIN rail mount	

Characteristic Parameters:

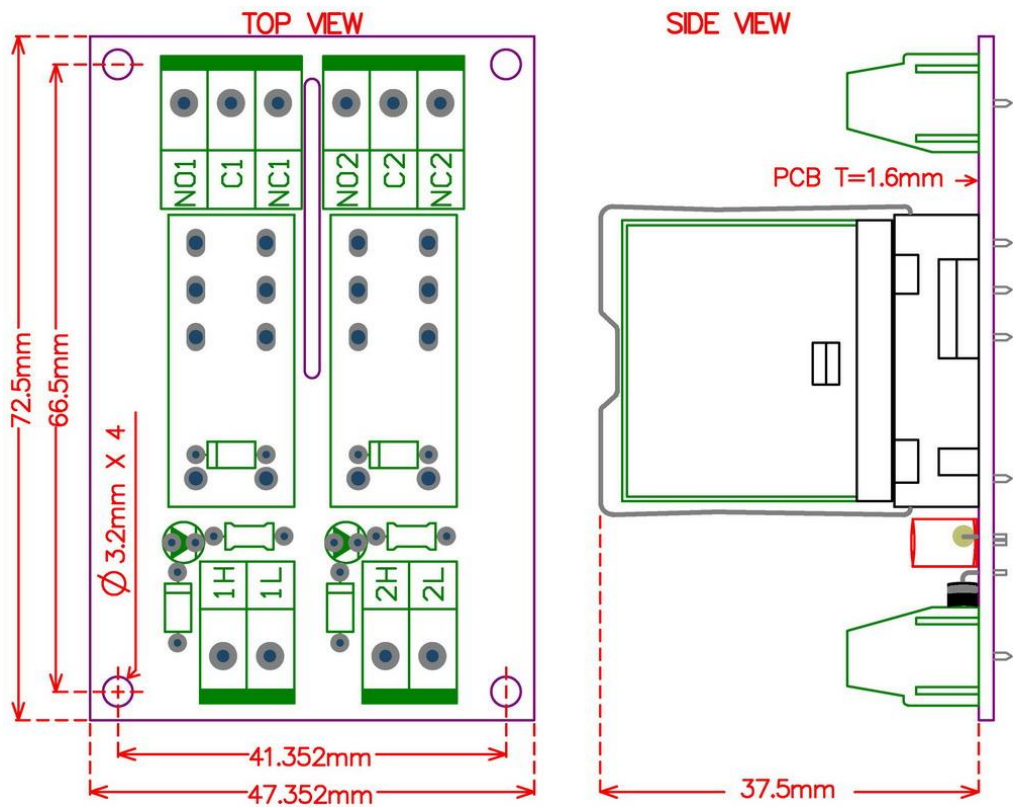
Operating voltage (coil)		
Voltage version	12V	24V
Relay part number	G2R-1-E 12VDC	G2R-1-E 24VDC
Operating voltage range (one channel)	DC 9V~21V	DC 18V~40V
	AC 10V~16V	AC 18V~30V
Operating current (one channel)	35mA (at 12V)	20mA (at 24V)
Output (relay switch) contact rating		
For AC	Resistive load: 250VAC, 16Amp Inductive load: 250VAC, 8Amp	
For DC	Resistive load: 30VDC, 16Amp Inductive load: 30VDC, 8Amp	

Schematic:

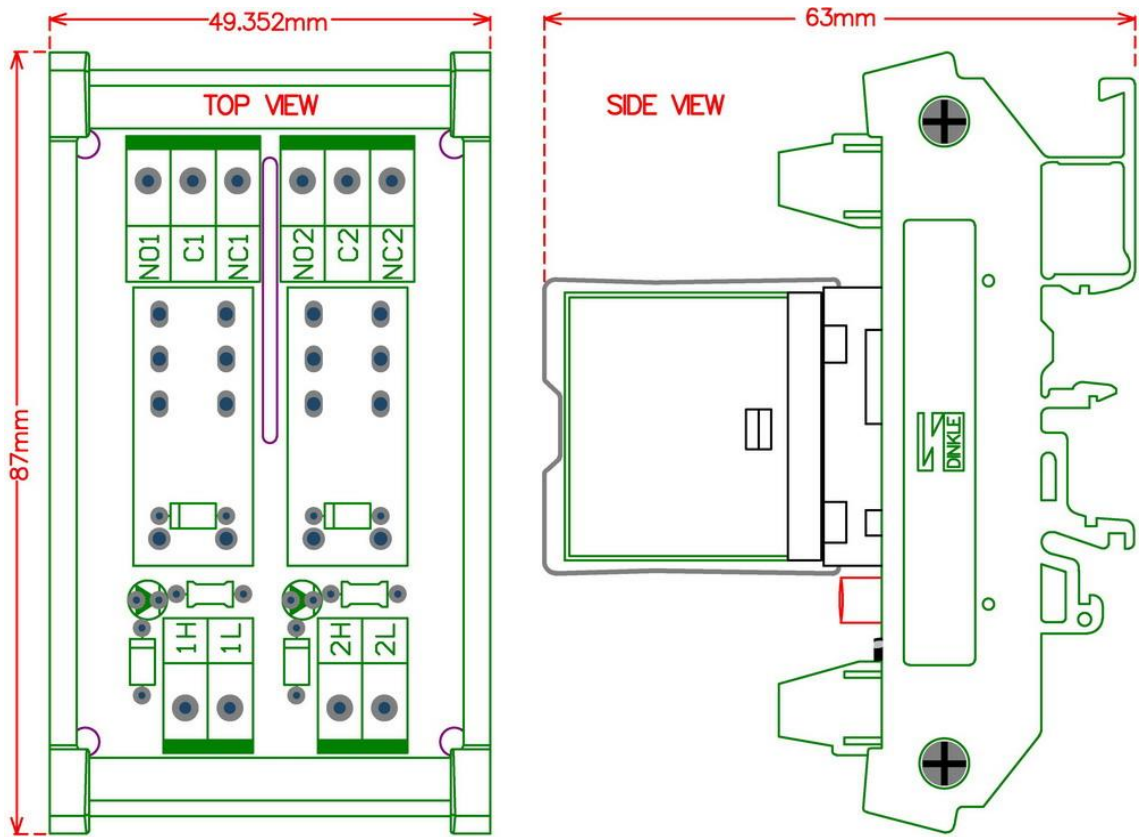


Dimensions:

Panel mount



DIN rail mount



Wire Connect:

xH: Relay coil operating voltage DC positive (or AC1).
xL: Relay coil operating voltage DC negative (or AC2).
NOx: Relay switch normally open terminal.
NCx: Relay switch normally close terminal.
Cx: Relay switch common terminal.

Terminal Block:

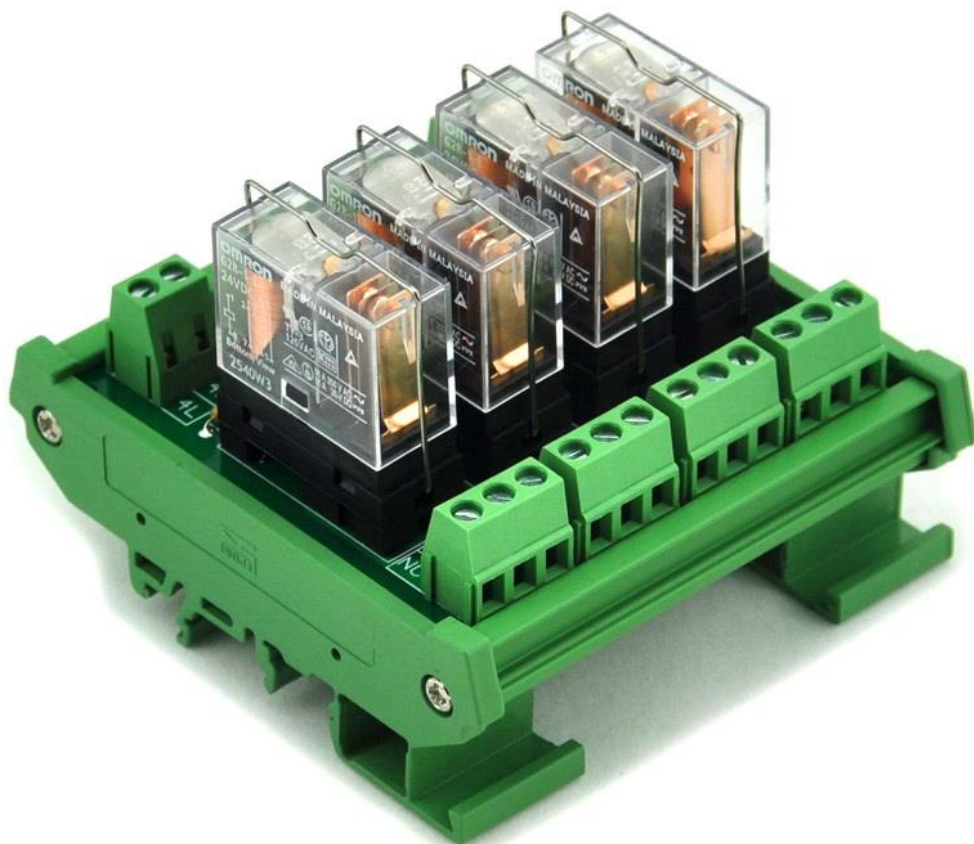
Pitch 5.0mm/0.197" screw terminal block.
Wire range 24AWG ~ 12AWG / 2.5mm²
Strip length 7mm.
Screws - M2.5, steel, Cr3+ Zn plated.
Pin header and Cage - Brass.

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CZH-LABS Electronics-Salon

AC/DC control 4 SPDT 16Amp Pluggable Power Relay Module

Model: D-210 Series Version: 2.0



Feature:

- Omron G2R-1-E industrial power relays, switching current up to 16A at 250VAC (or 30VDC), and easy to replace pluggable relays.
- Support AC / DC control signals.
- LED indicator for each relay channel , relay coil protection by means of a freewheeling diode.
- 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.

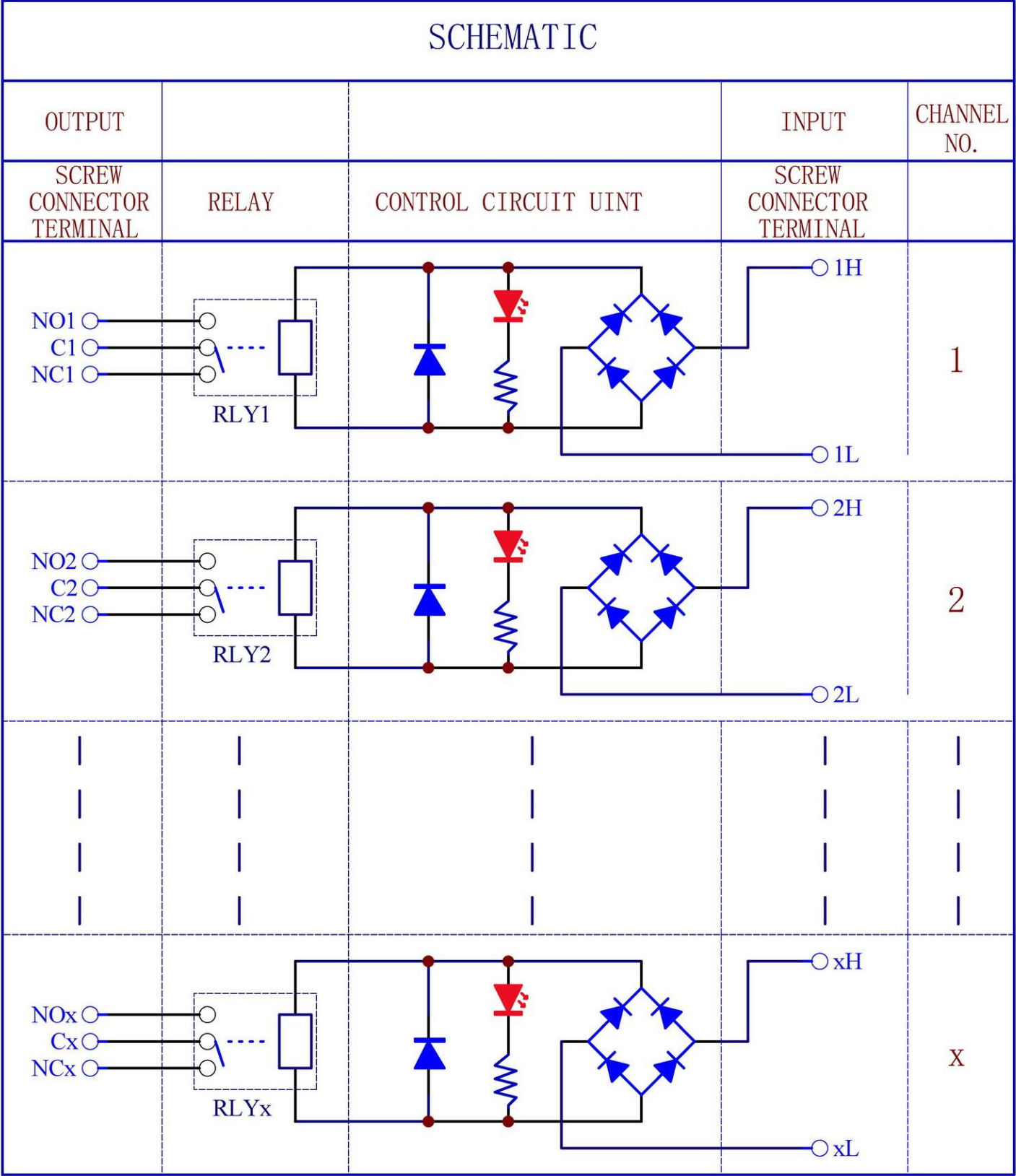
Version List:

Part Number	Mount Type	Standard Operating Voltage
MD-D210/12V-1	Panel mount	12V AC/DC
MD-D210T/12V-1	DIN rail mount	
MD-D210/24V-1	Panel mount	24V AC/DC
MD-D210T/24V-1	DIN rail mount	

Characteristic Parameters:

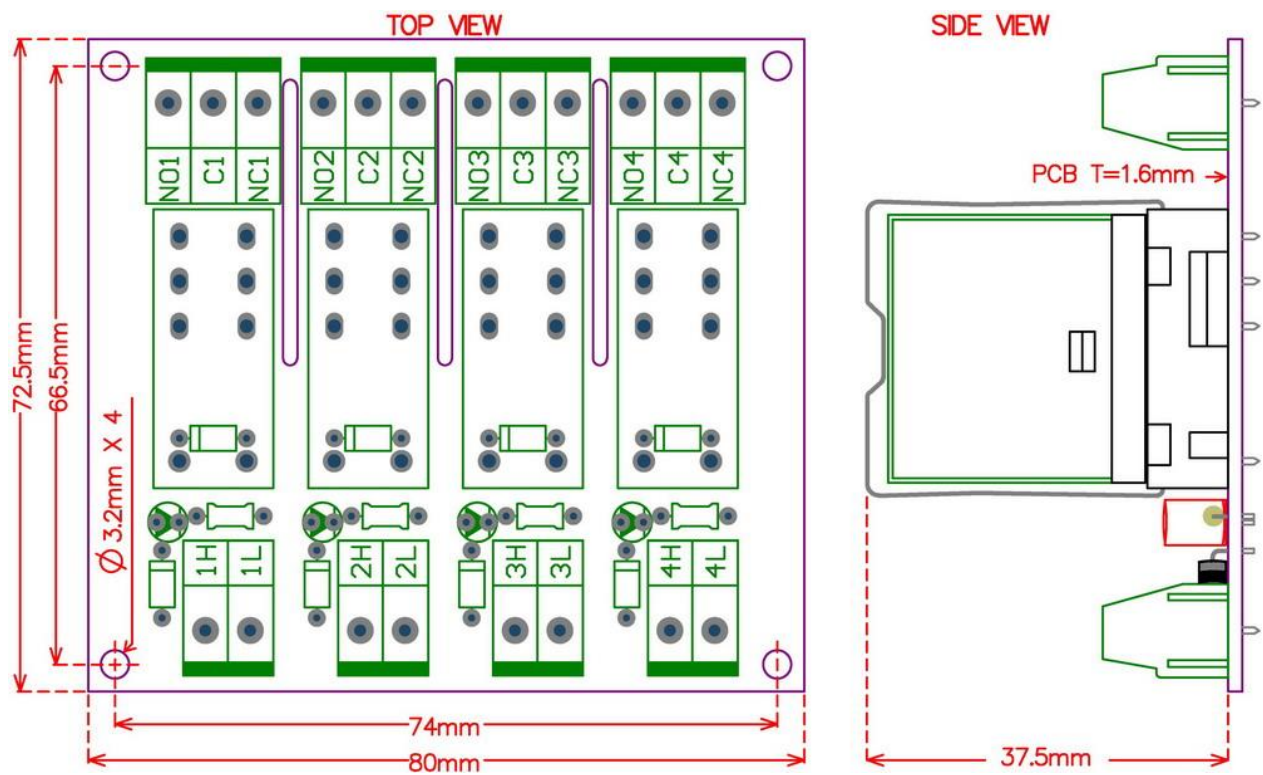
Operating voltage (coil)		
Voltage version	12V	24V
Relay part number	G2R-1-E 12VDC	G2R-1-E 24VDC
Operating voltage range (one channel)	DC 9V~21V	DC 18V~40V
	AC 10V~16V	AC 18V~30V
Operating current (one channel)	35mA (at 12V)	20mA (at 24V)
Output (relay switch) contact rating		
For AC	Resistive load: 250VAC, 16Amp Inductive load: 250VAC, 8Amp	
For DC	Resistive load: 30VDC, 16Amp Inductive load: 30VDC, 8Amp	

Schematic:

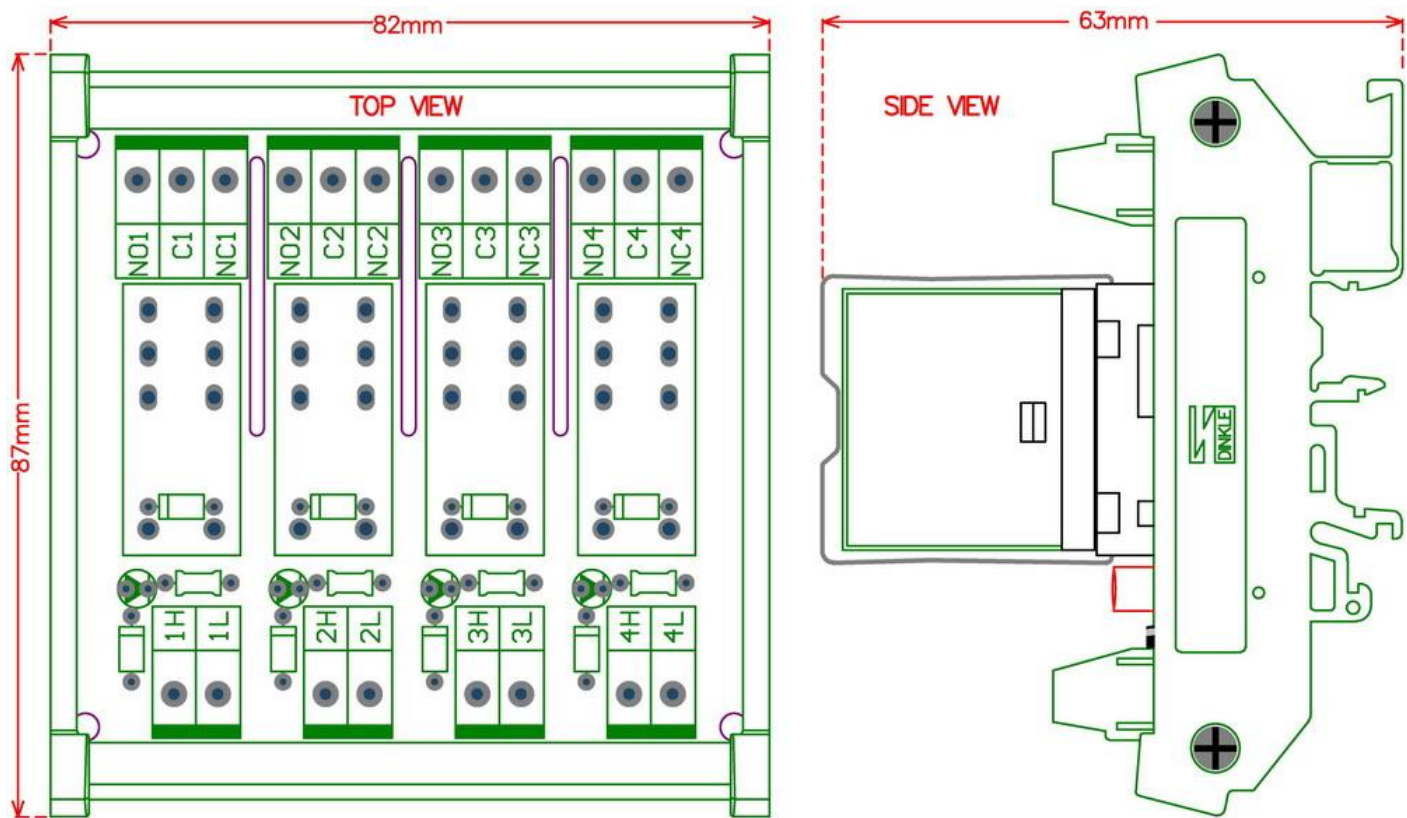


Dimensions:

Panel mount



DIN rail mount



Wire Connect:

xH: Relay coil operating voltage DC positive (or AC1).
xL: Relay coil operating voltage DC negative (or AC2).
NOx: Relay switch normally open terminal.
NCx: Relay switch normally close terminal.
Cx: Relay switch common terminal.

Terminal Block:

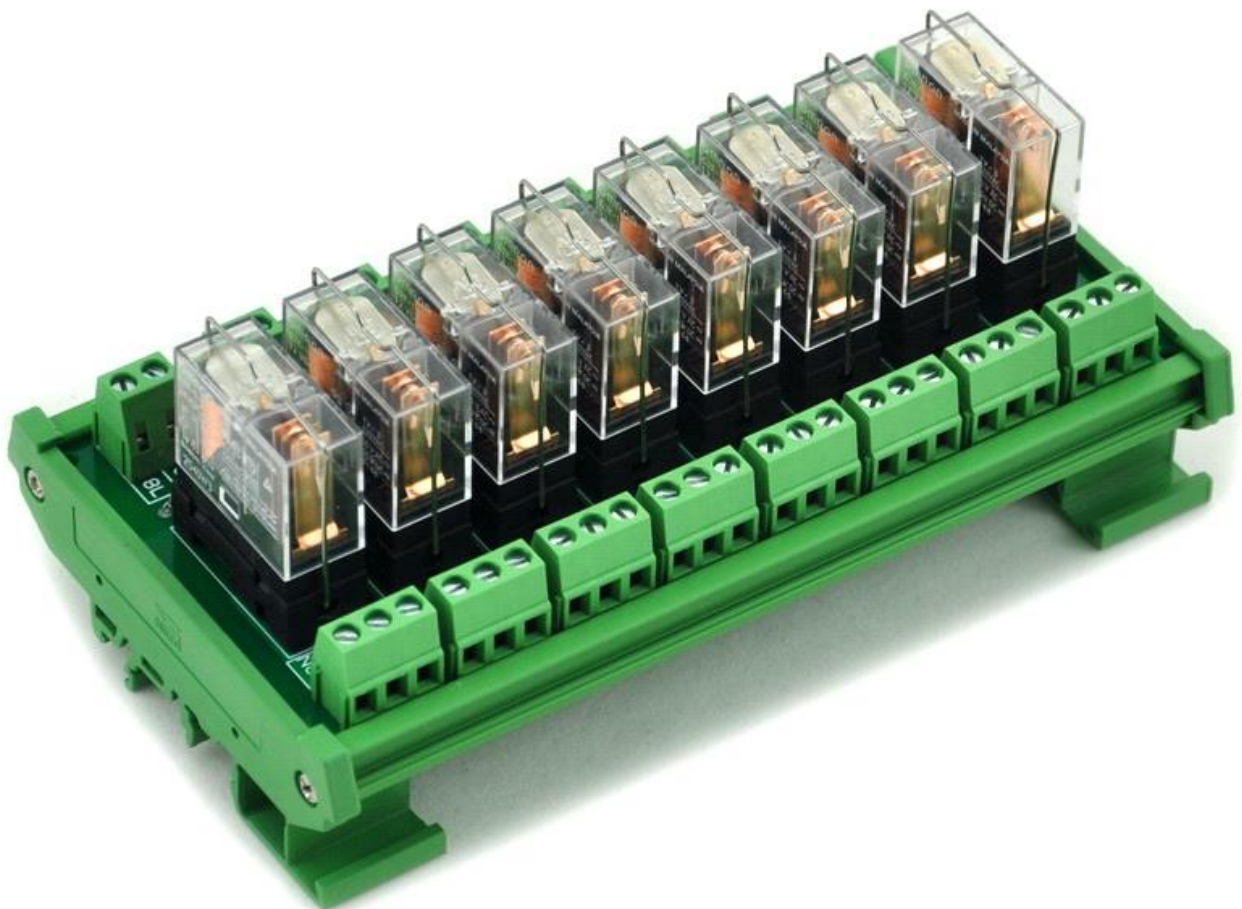
Pitch 5.0mm/0.197" screw terminal block.
Wire range 24AWG ~ 12AWG / 2.5mm²
Strip length 7mm.
Screws - M2.5, steel, Cr3+ Zn plated.
Pin header and Cage - Brass.

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CZH-LABS Electronics-Salon

AC/DC control 8 SPDT 16Amp Pluggable Power Relay Module

Model: D-211 Series Version: 2.0



Feature:

- Omron G2R-1-E industrial power relays, switching current up to 16A at 250VAC (or 30VDC), and easy to replace pluggable relays.
- Support AC / DC control signals.
- LED indicator for each relay channel , relay coil protection by means of a freewheeling diode.
- 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.

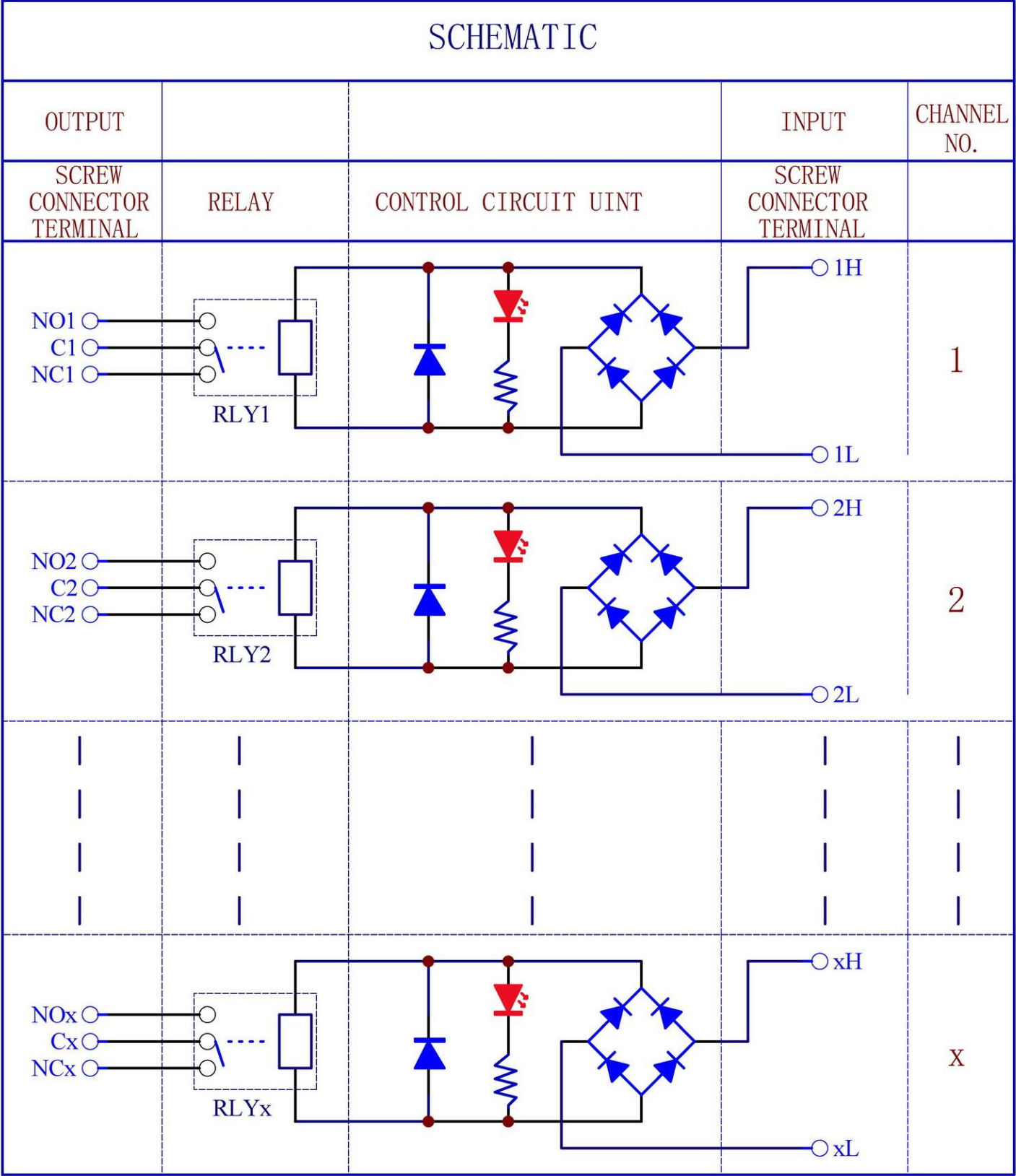
Version List:

Part Number	Mount Type	Standard Operating Voltage
MD-D211/12V-1	Panel mount	12V AC/DC
MD-D211T/12V-1	DIN rail mount	
MD-D211/24V-1	Panel mount	24V AC/DC
MD-D211T/24V-1	DIN rail mount	

Characteristic Parameters:

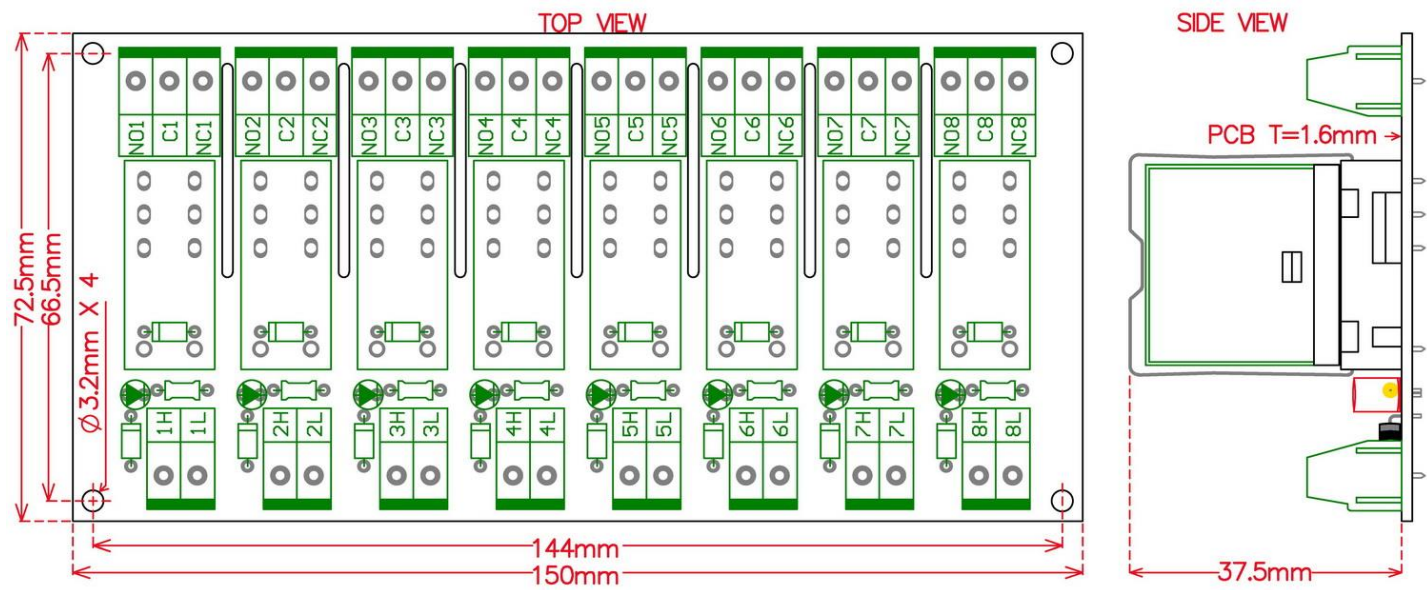
Operating voltage (coil)		
Voltage version	12V	24V
Relay part number	G2R-1-E 12VDC	G2R-1-E 24VDC
Operating voltage range (one channel)	DC 9V~21V	DC 18V~40V
	AC 10V~16V	AC 18V~30V
Operating current (one channel)	35mA (at 12V)	20mA (at 24V)
Output (relay switch) contact rating		
For AC	Resistive load: 250VAC, 16Amp Inductive load: 250VAC, 8Amp	
For DC	Resistive load: 30VDC, 16Amp Inductive load: 30VDC, 8Amp	

Schematic:

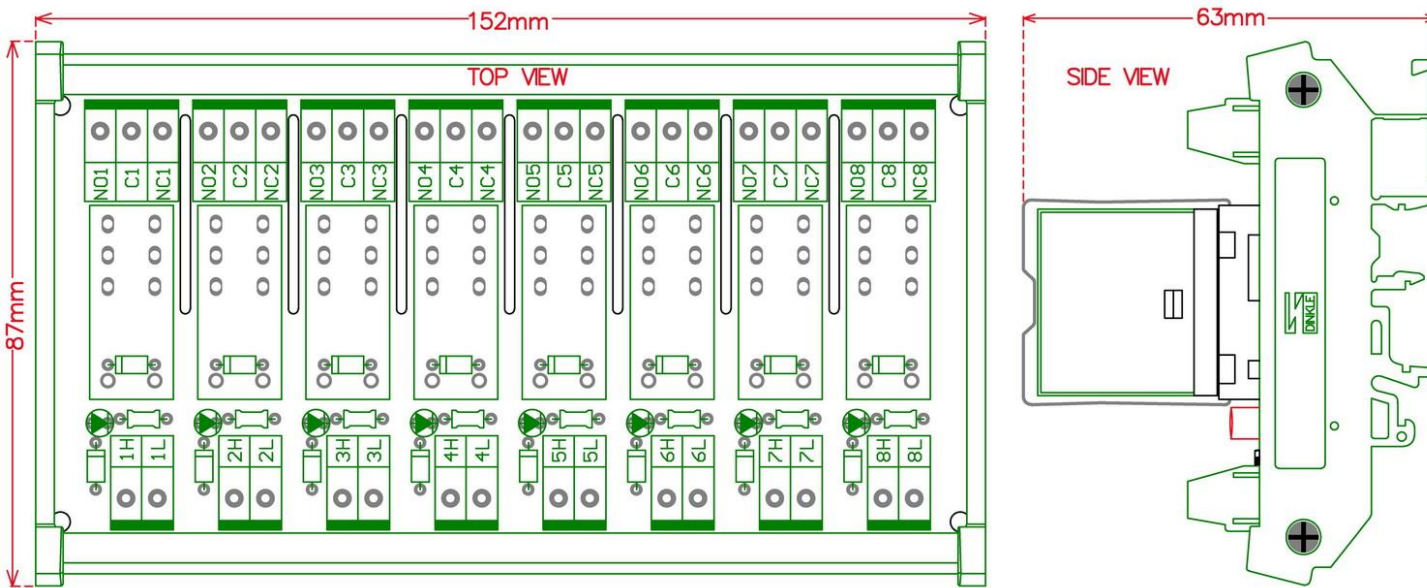


Dimensions:

Panel mount



DIN rail mount



Wire Connect:

xH: Relay coil operating voltage DC positive (or AC1).
xL: Relay coil operating voltage DC negative (or AC2).
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 / 2.5mm²
Strip length 7mm.
Screws - M2.5, steel, Cr3+ Zn plated.
Pin header and Cage - Brass.

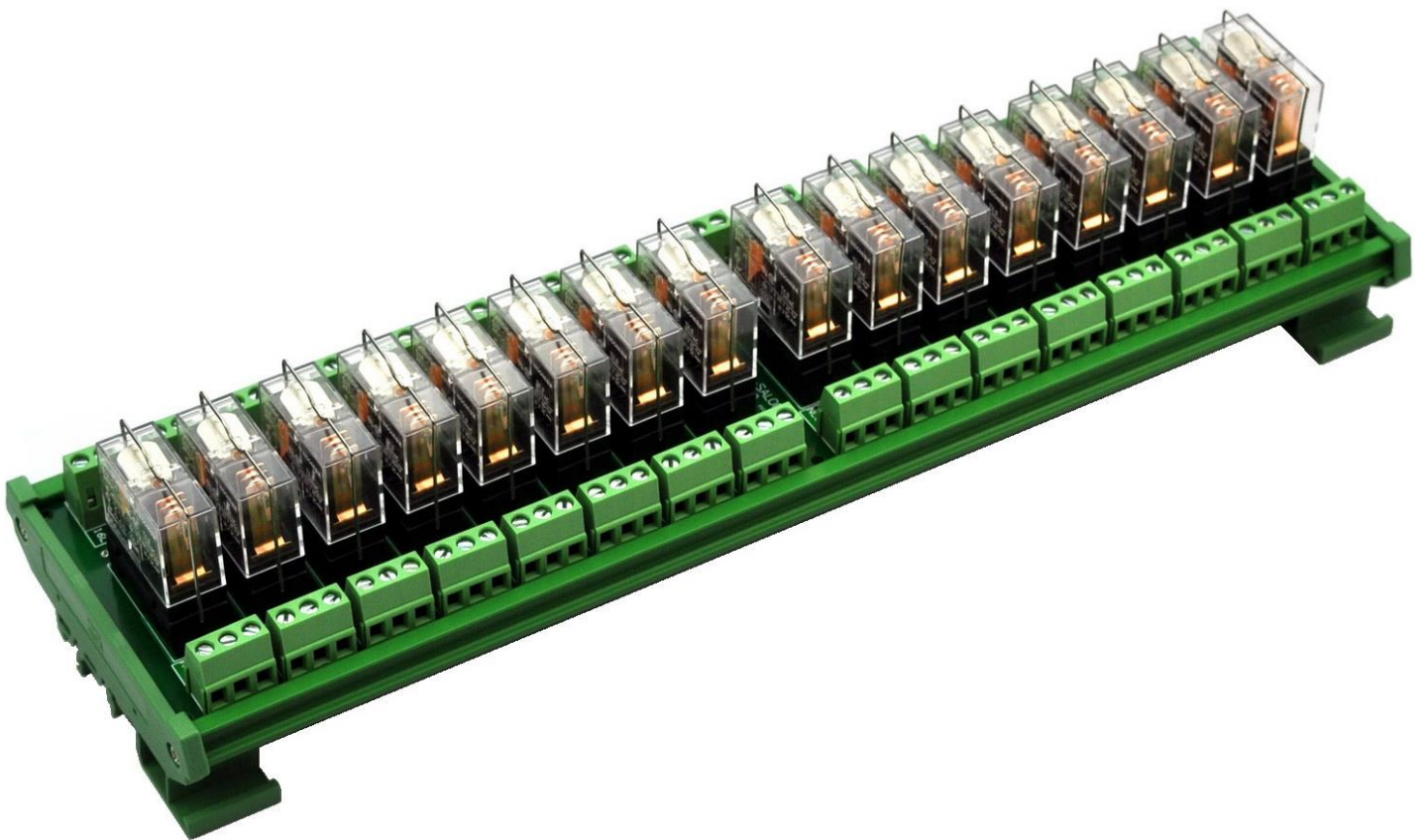
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Electronics-Salon

AC/DC control 16 SPDT 16Amp Pluggable Power Relay Module

Model: D-231 Series Version: 2.0



Feature:

- Omron G2R-1-E industrial power relays, switching current up to 16A at 250VAC (or 30VDC), and easy to replace pluggable relays.
- Support AC / DC control signals.
- LED indicator for each relay channel , relay coil protection by means of a freewheeling diode.
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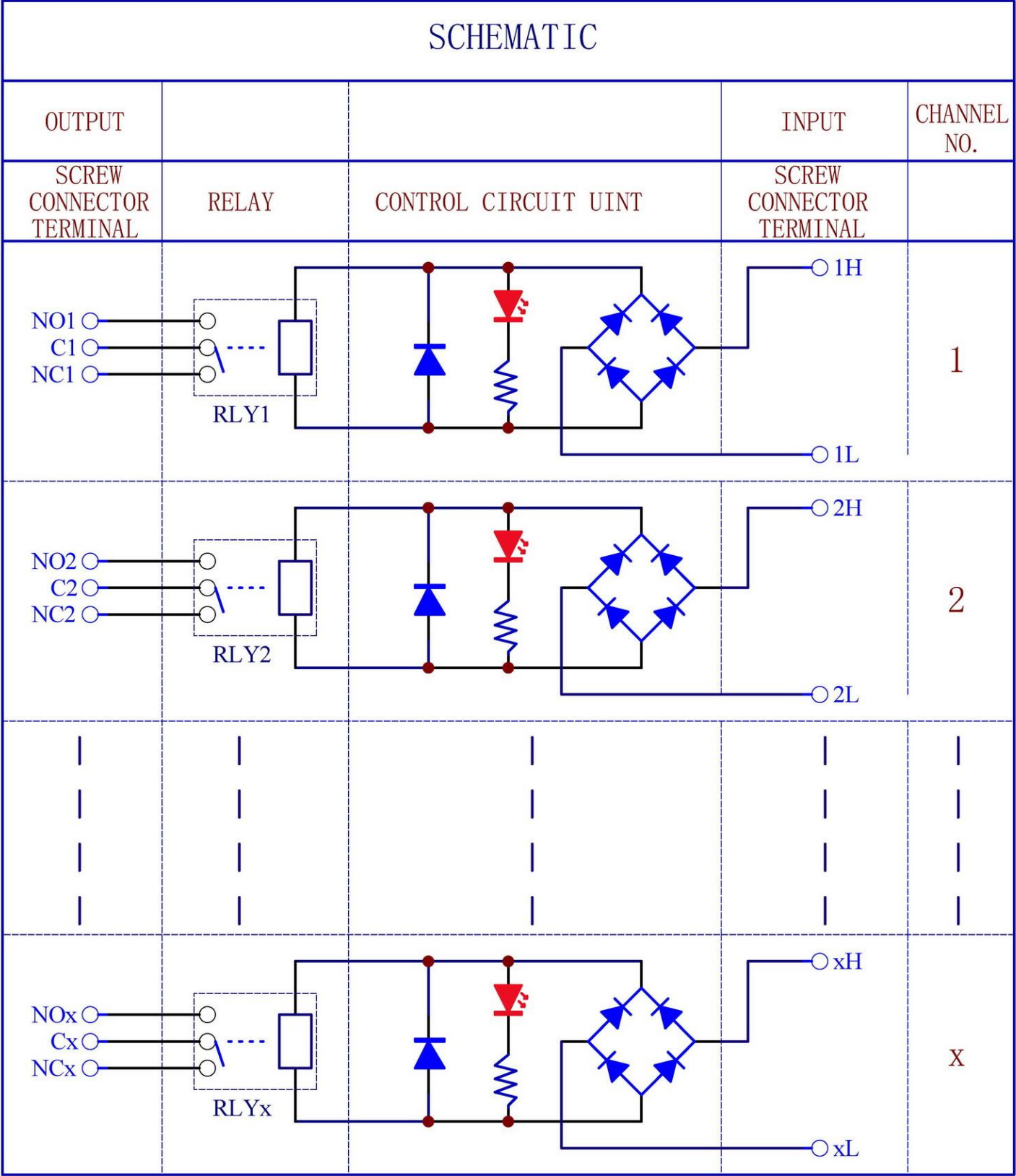
Version List:

Part Number	Mount Type	Standard Operating Voltage
MD-D231/12V-1	Panel mount	12V AC/DC
MD-D231T/12V-1	DIN rail mount	
MD-D231/24V-1	Panel mount	24V AC/DC
MD-D231T/24V-1	DIN rail mount	

Characteristic Parameters:

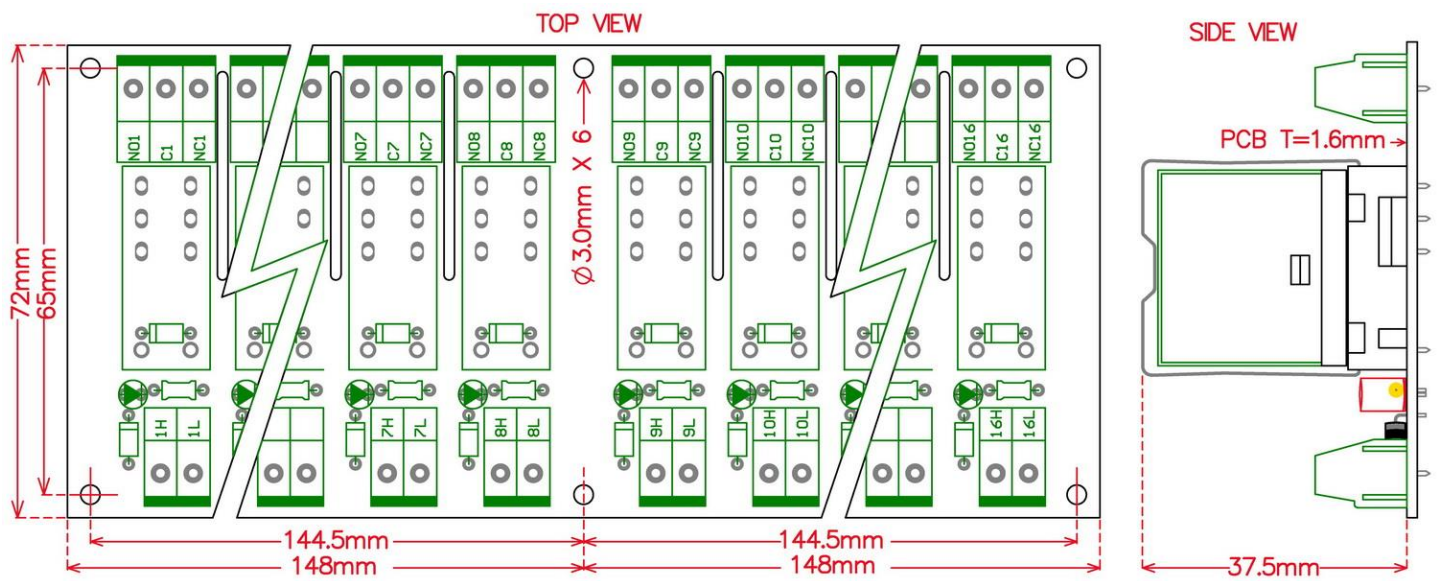
Operating voltage (coil)		
Voltage version	12V	24V
Relay part number	G2R-1-E 12VDC	G2R-1-E 24VDC
Operating voltage range (one channel)	DC 9V~21V	DC 18V~40V
	AC 10V~16V	AC 18V~30V
Operating current (one channel)	35mA (at 12V)	20mA (at 24V)
Output (relay switch) contact rating		
For AC	Resistive load: 250VAC, 16Amp Inductive load: 250VAC, 8Amp	
For DC	Resistive load: 30VDC, 16Amp Inductive load: 30VDC, 8Amp	

Schematic:

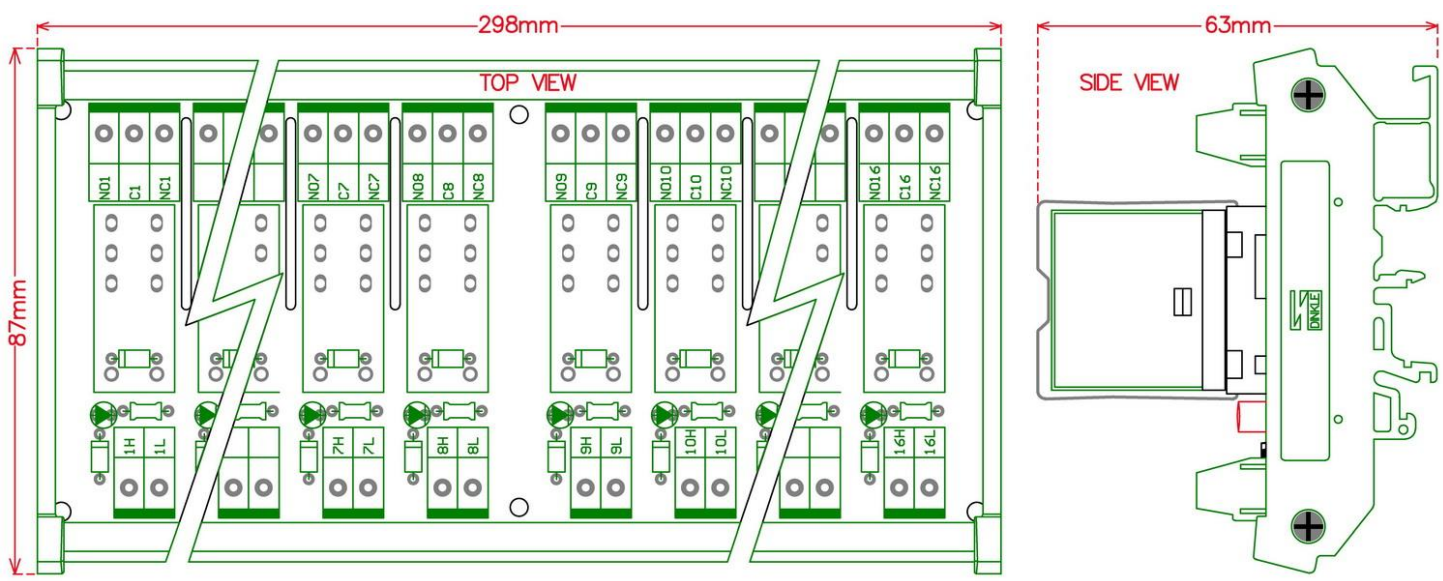


Dimensions:

Panel mount



DIN rail mount



Wire Connect:

xH: Relay coil operating voltage DC positive (or AC1).
xL: Relay coil operating voltage DC negative (or AC2).
NOx: Relay switch normally open terminal.
NCx: Relay switch normally close terminal.
Cx: Relay switch common terminal.

Terminal Block:

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