

**RM4V**  
**4 Channel Relay Module**  
**Multi-powering 5,12,24V**

## GENERAL DESCRIPTION

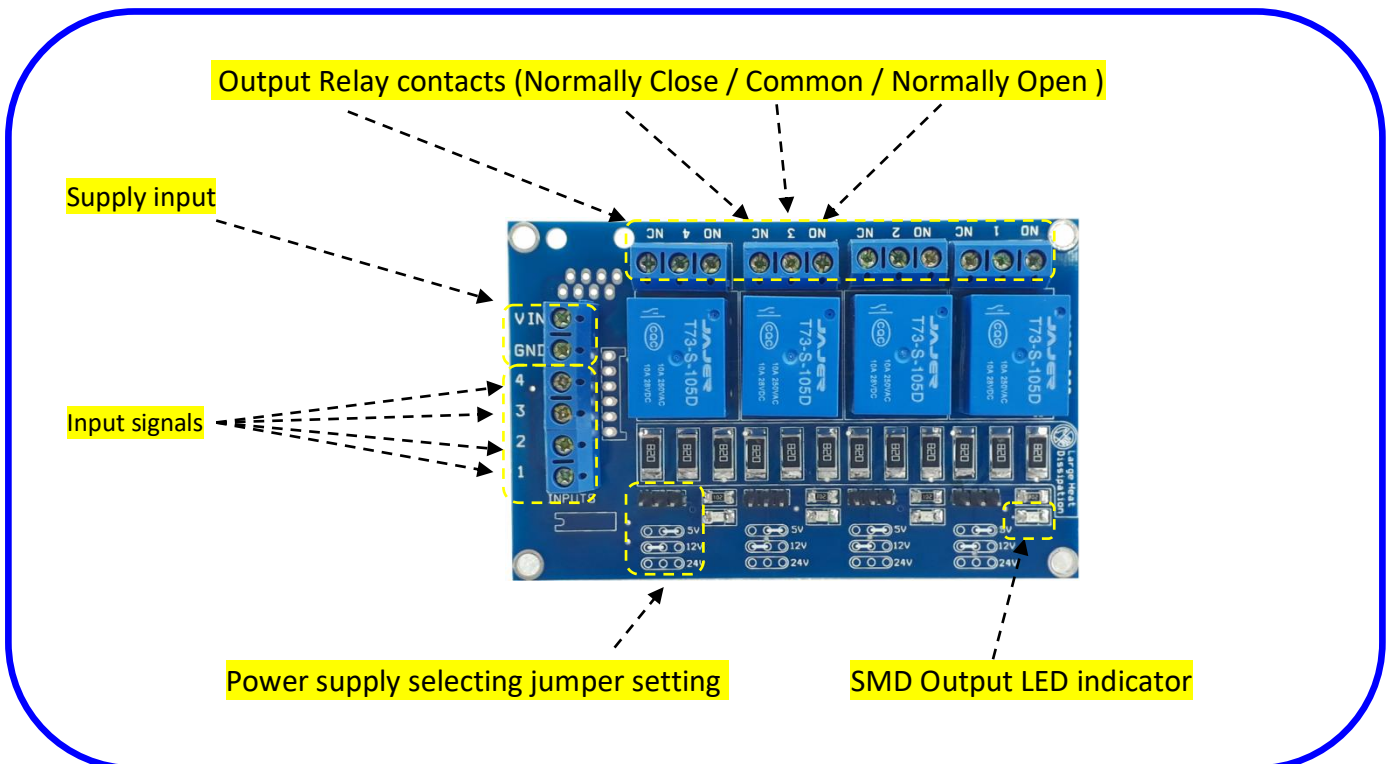
**RM4V** is a simple cheap Relay driver module. It supports four output relays that can be used to control AC and DC electrical devices such as lamps, motors, locks, solenoids. **RM4V** may be powered from 5V, 12V, 24V DC supply.

Some of possible applications

- Home Automation
- Lighting Control
- Garden Equipment Control
- Industrial Automation

### **RM4V Module** key features

- Four output relays rated for 5A contacts (resistive load).
- Various power supply source (5V, 12V, 24V).
- Normally open and normally closed contacts are available.
- LED indicator for each relay status.
- Dimension: 95 x 60 x 17 mm.

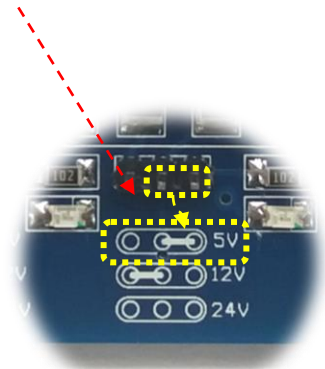
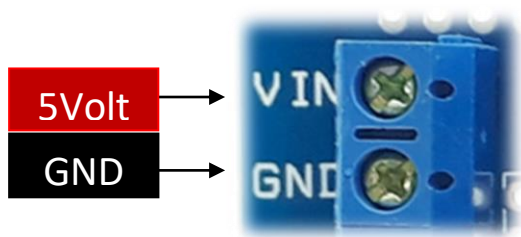


**RM4V Module**

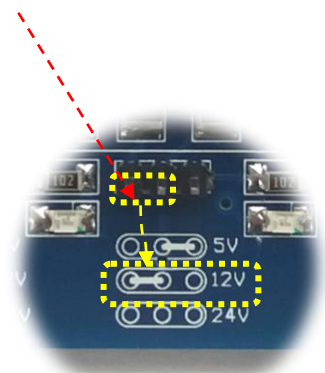
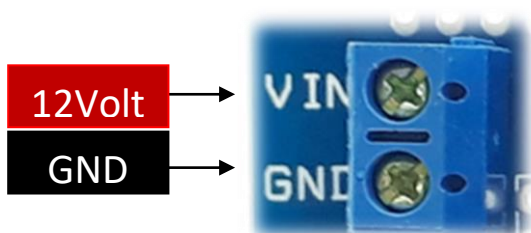
## Power Supply Selecting

**RM4V** Card can be powered from 5V, 12V or 24V supply 500 mA minimum current via screw clamp terminal labeled (VIN, GND).

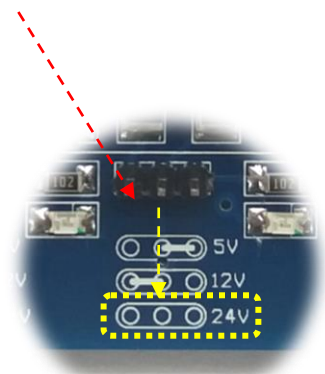
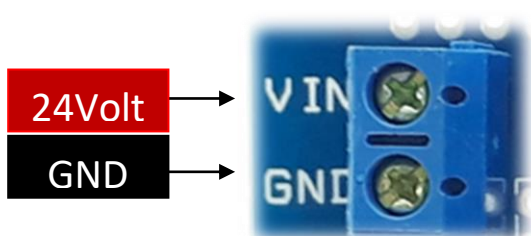
To drive card using 5 Volt Power supply, set all jumpers to 5V side as seen in figure below.



To drive card using 12 Volt Power supply, set all jumpers to 12V side as seen in figure below.



To drive card using 24 Volt Power supply, disconnect all jumpers as seen in figure below.



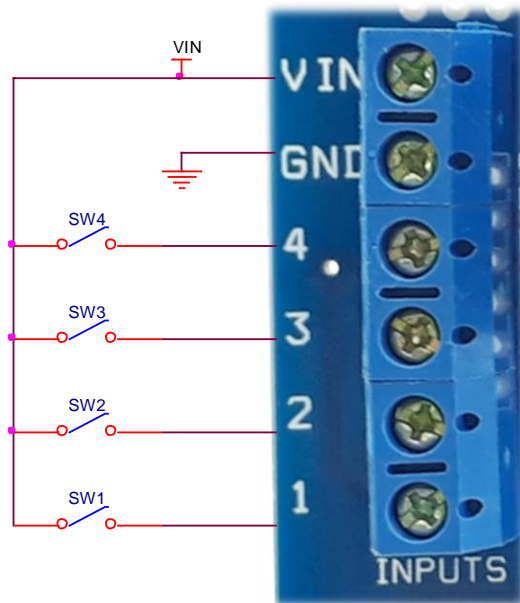
### Caution:

In case of 24 Volt supply, **RM4V** Card radiates high temperature.  
Avoid touching card while powering it.

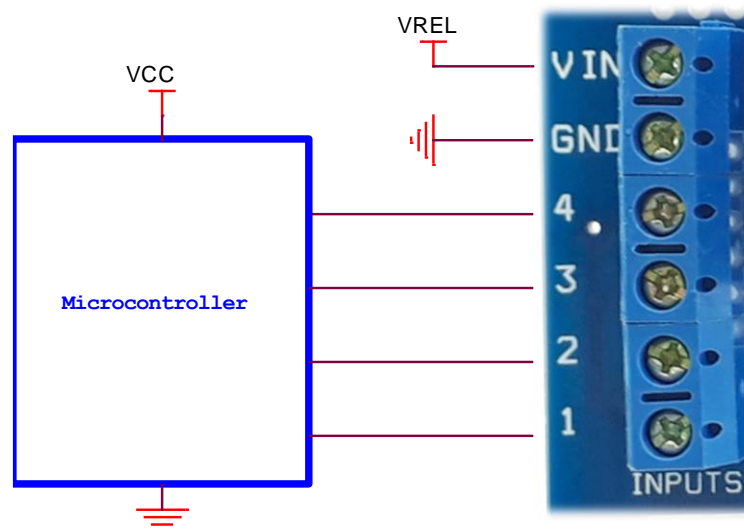
## Inputs

**RM4V** has four inputs that can be derived from any TTL logic source or any voltage in the range from 5 to 24 volt.

**Example of connecting four dry contact input switches.**



**Example of driving relays from microcontroller.**



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