

**RM8V**  
**8 Channel Relay Module**  
**Multi-powering 5,12,24V**

## General Description

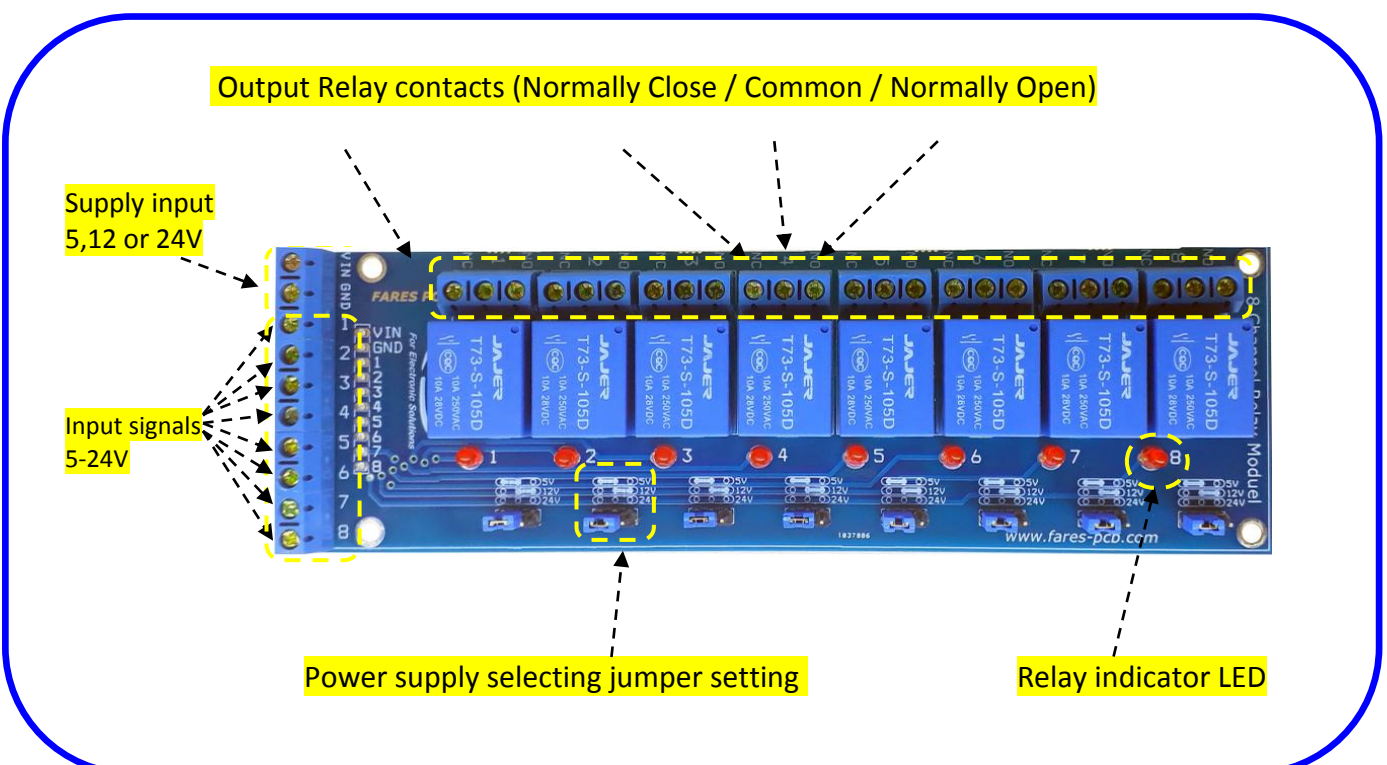
**RM8V** is a simple cheap relay driver module. It supports eight output relays that can be used to control AC and DC electrical devices such as lamps, motors, locks, solenoids. **RM8V** may be powered from 5V, 12V or 24V DC supply.

Some of possible applications:

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

## RM8V key features

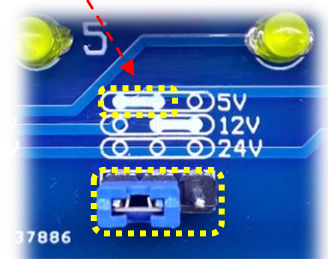
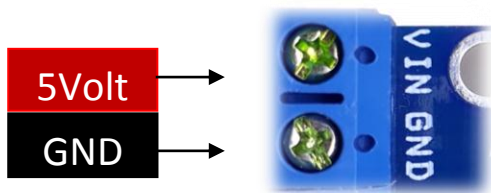
- Eight output relays rated for 10A contacts (resistive load).
- Various power supply source (5V, 12V, 24V).
- Normally open and normally closed contacts are available.
- LED indicator for each relay status.
- Input signals available via screw clam terminal and pin header.
- Dimension: 162 x 52 x 17 mm.



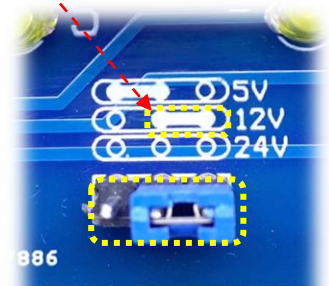
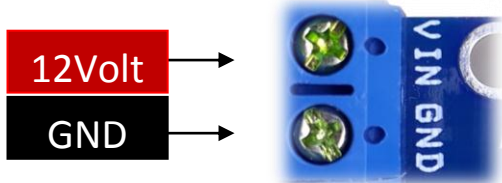
## Power Supply Selecting

**RM8V** Card can be powered from 5V, 12V or 24V supply 1A minimum current via screw clamp terminal labeled (VIN, GND).

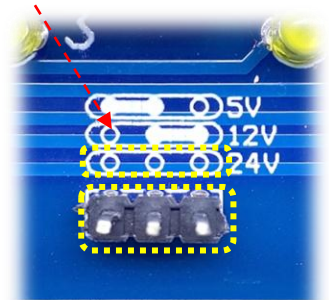
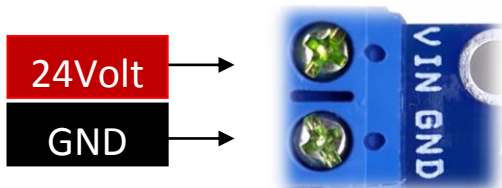
To power card from 5V power supply, set all jumpers to 5V position as seen in figure below.



To power card from 12V power supply, set all jumpers to 12V position as seen in figure below.



To power card from 24V power supply, set all jumpers to 24V position as seen in figure below.

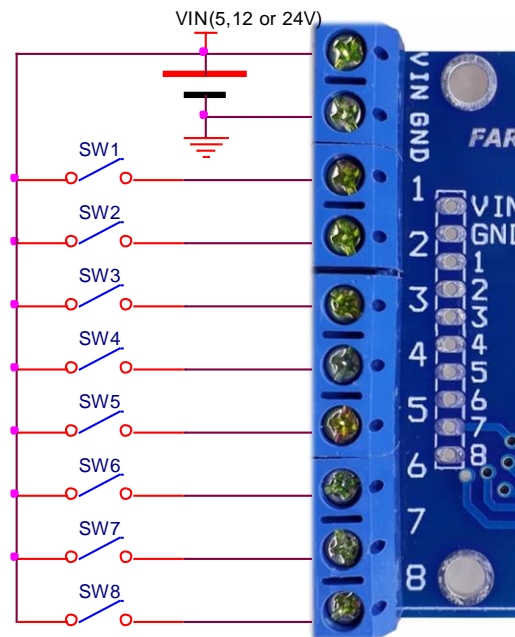
**Caution:**

In case of powering card from 24V supply, **RM8V** module radiates high temperature. Avoid touching card while powering it.

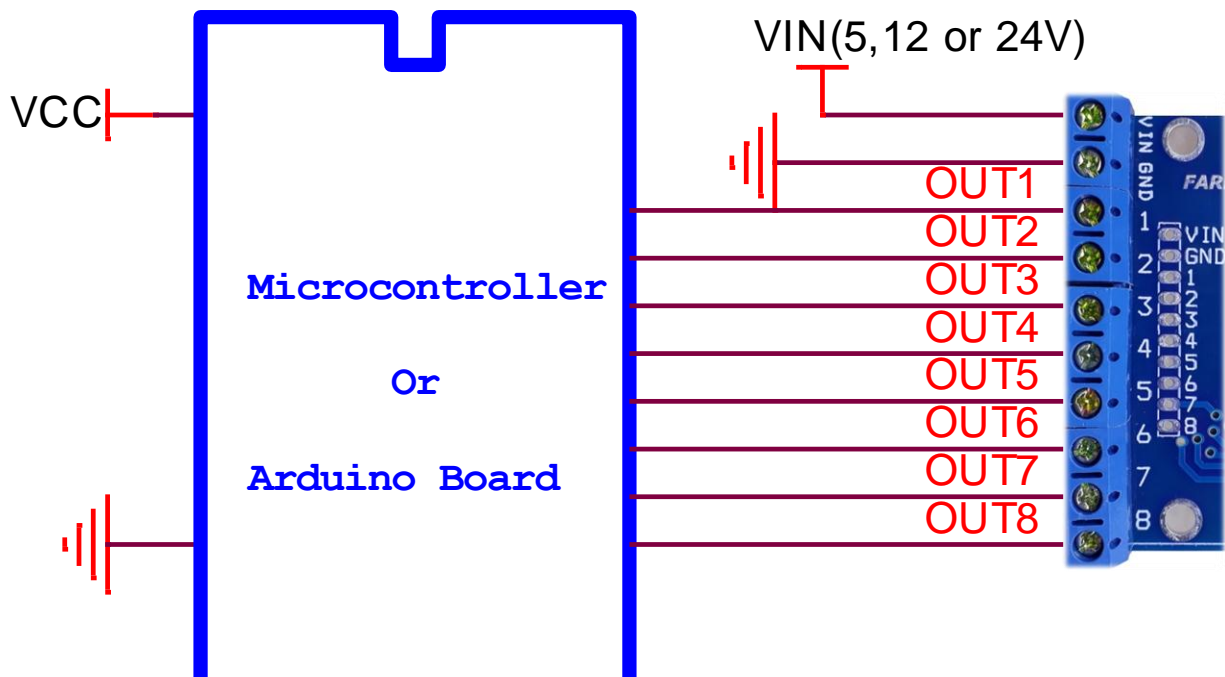
## Inputs

**RM8V** has eight inputs that can be derived from any TTL logic source or any voltage in the range from 5 to 24 volt.

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



**Example of driving relays from microcontroller or Arduino board.**



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