

RM1V
1 Channel Relay Module
Multi-powering 5,12,24V

General Description

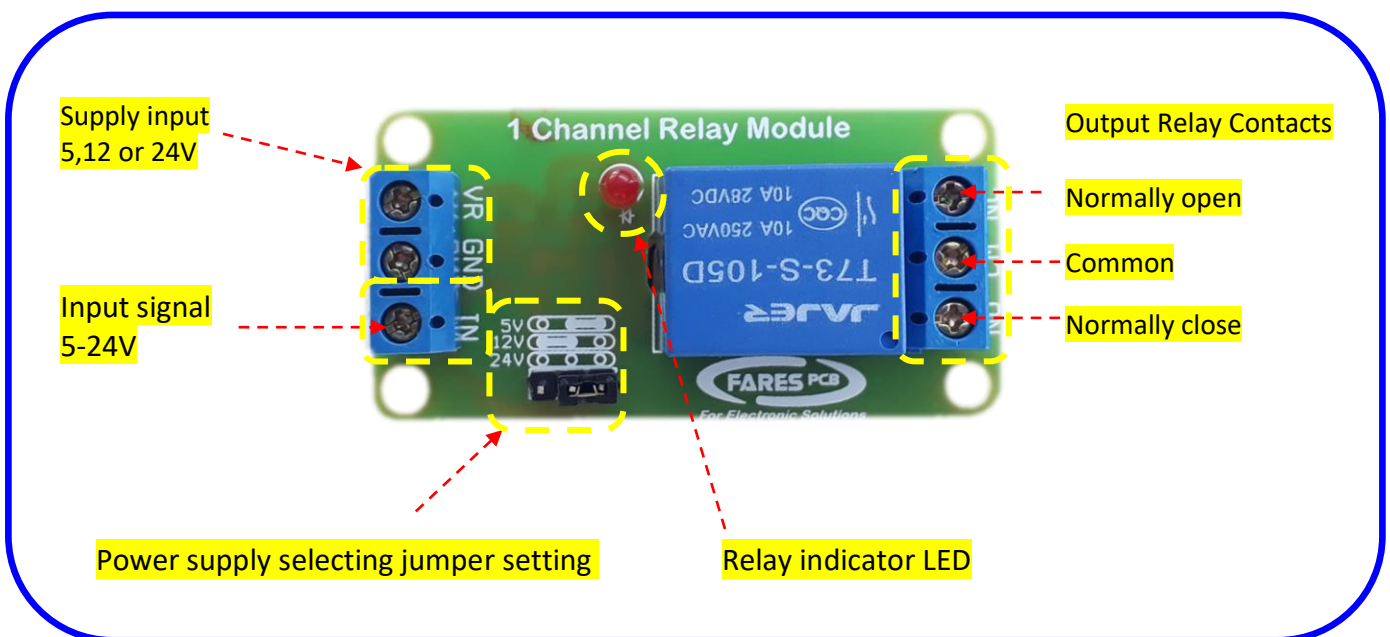
RM1V is a simple cheap Relay driver module. It supports one output relay that can be used to control AC and DC electrical devices such as lamps, motors, locks, solenoids. **RM1V** may be powered from 5V, 12V or 24V DC supply.

Some of possible applications

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

RM1V Module key features

- One output relay rated for 10A contacts (resistive load).
- Various power supply source (5V, 12V, 24V).
- Normally open and normally closed contacts are available.
- LED indicator for relay status.
- Dimension: 56 x 29 x 17 mm.

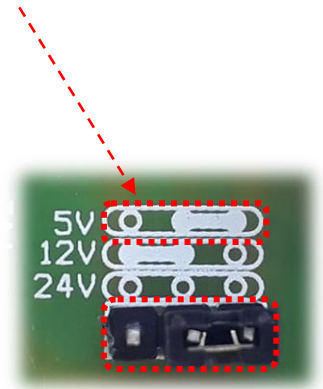
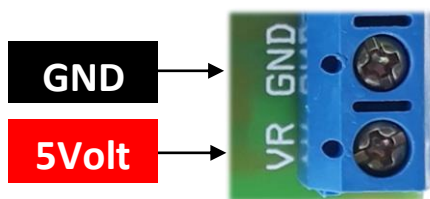


RM1V Module

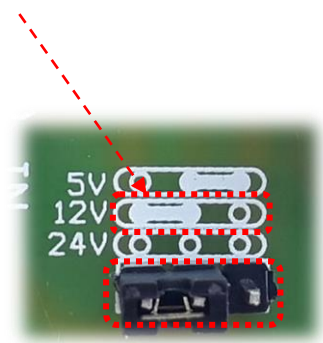
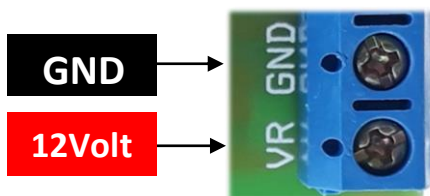
Power Supply Selecting

RM1V Card can be powered from 5V, 12V or 24V supply 250 mA minimum current via screw clamp terminal labeled (VIN, GND).

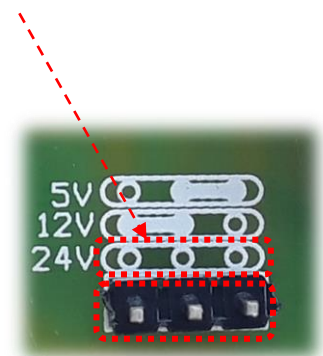
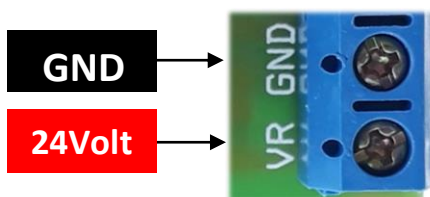
To power card from 5 Volt Power supply, set all jumpers to 5V position as seen in the figure below.



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



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



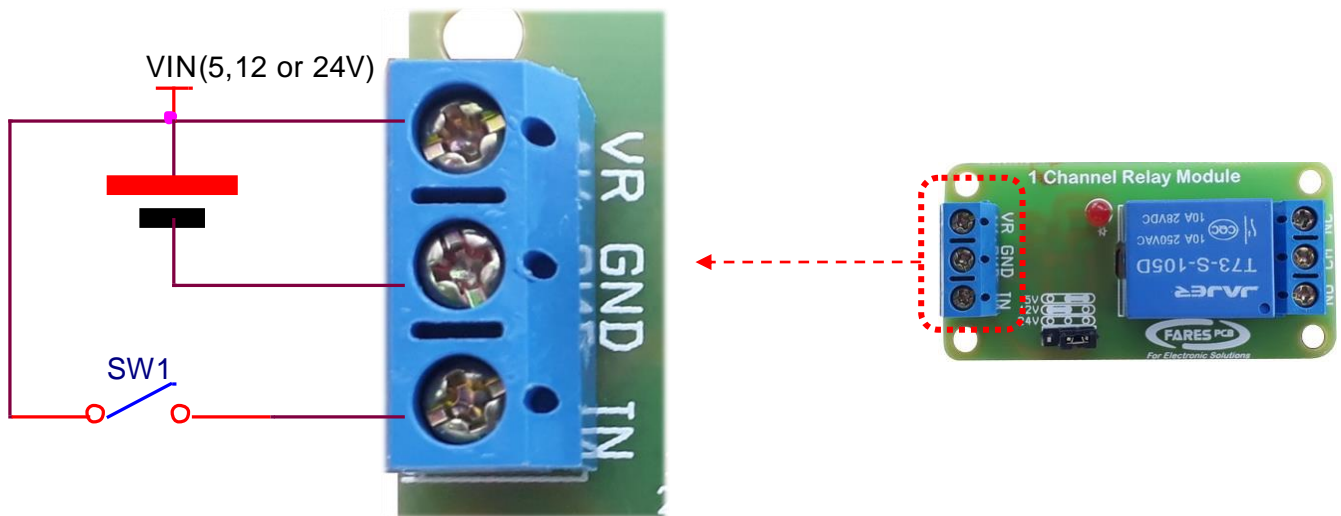
Caution:

In case of powering card from 24 Volt supply, **RM1V** Card radiates high temperature. Avoid touching card while powering it.

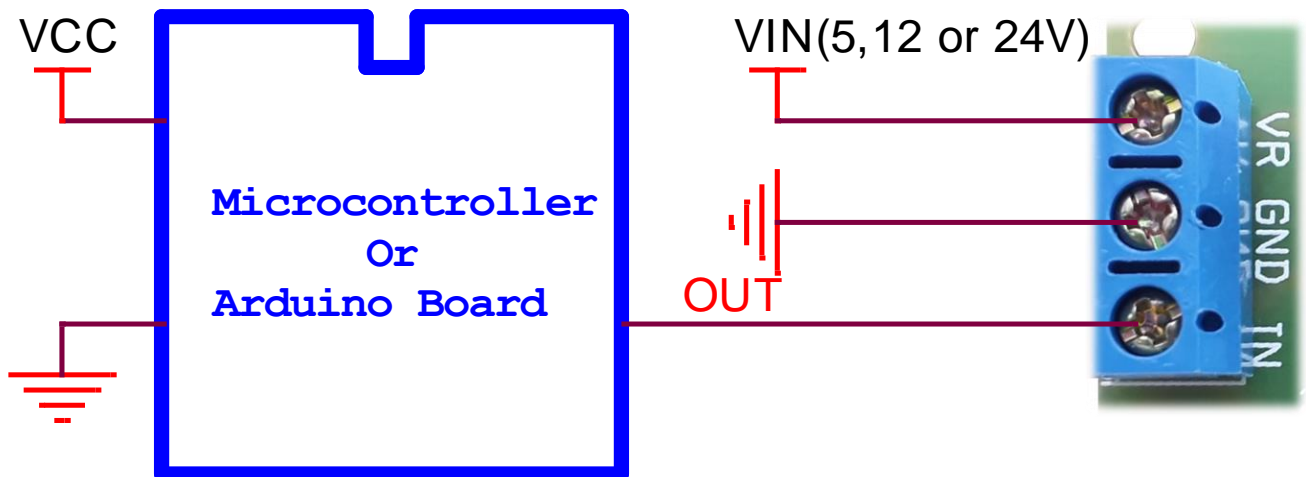
Inputs

RM1V has one input 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 switch.



Example of driving relay from microcontroller or Arduino board.



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