2/4/8 CHANNELS RELAY MODULE WITH ISOLATION BY PHOTOCOUPLERS WITH TTL LOGIC CONTROL AND HIGH CURRENT RELAYS

VCC-RELAY02/04/08

SEEIT
Programmers

Introduction:

This 2/4/8 channels interface board can control various appliances, and others equipments thanks to its relays modules. Each input of the interface is isolated by photocoupler. The interface can be controlled directly by microcontroller pcb card like Raspberry Pi, Arduino, 8051, AVR, PIC, DSP, ARM, MSP430 or all others TTL logic signals. The relays are active on low level signal on each control pin and 2/4/8 LEDs indicate the status of the 2/4/8 relays.
This board is equipped with high current relays modules. Theys load 10A/250Vac max or 10A/30Vdc max.

Hardware & Electrical specifications:

Power supply : 5Vdc / 250mA
Controls signals voltage : active at TTL low state.
Low state : 0V to 0,5V (relay is ON).
High state : 2,5V to 5,0V (relay is OFF).
Drive current : 20mA max for each input.

Vcc pin: power supply input +5Vdc
Gnd pin: power supply and control signal ground.
In1~In8 pins: input control signal low level trigger.
K1~K8 pins: contacts relays, (3 pins).
RVcc pin: separate power supply (isolation).

Relays power : 5Vdc.
Relays output : 10A/125Vac or 10A/28Vdc.
Relays output max : 10A/250Vac or 10A/30Vdc.

Size product : 44/70/135 mm x 53 mm x 20 mm
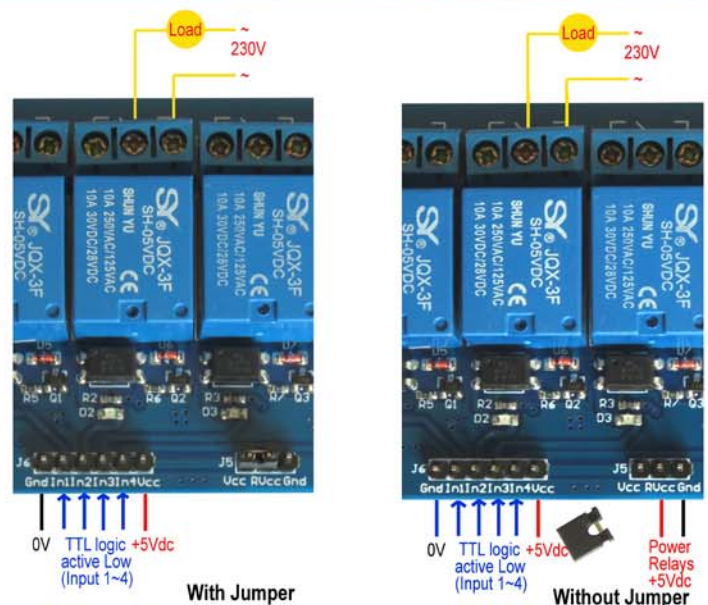
How to use the jumper Vcc-RVcc:

If Vcc and RVcc are connected together (with Jump) you can powered the pcb relays card by the power of the microcontroller pcb card. But the inputs control pins are not isolated by the photocouplers.

If Vcc and RVcc are not connected together (without jump) you must use two separate powers. Vcc will be powered by the power of the microcontroller pcb card and RVcc will be powered by an external supply. In this case the inputs controls pins will be isolated from the relays by the photocouplers.

Item includes:

PCB board with 2, 4 or 8 relays.
User manual in English and French.

Products informations : www.seeit.fr