

# 1 / 2 / 4 CHANNELS RELAY MODULE WITH ISOLATION BY PHOTOTRIACS WITH TTL LOGIC CONTROL AND SOLID STATE RELAY



**SSR-RELAY01**  
**SSR-RELAY02**  
**SSR-RELAY04**



## Introduction:

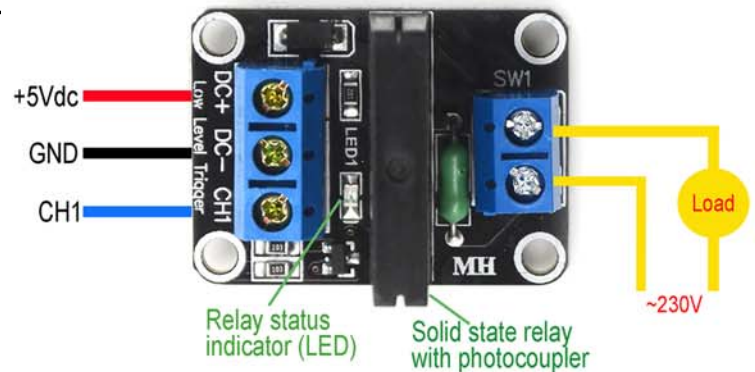
This 1 / 2 / 4 channels interface board can control various appliances, and other equipments thanks to its relays modules. Those modules are provided with solid state relays modules and phototriac isolation. Those relays don't have any mechanical moving parts and are able to switch ON and OFF much faster than other standards relays. 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. This board is provided with high current relays modules. Drive +5Vdc and theys load 2A/240Vac.

## Hardware & Electrical specifications:

Power supply : 5Vdc  
Consumption : 3,8mA (1 ch) / 26,8mA (2 ch) / 79,6mA (4 ch).  
Response time : 1ms  
Standard current : 2A  
Peack current : 30A  
Isolation : phototriac.  
Control : low voltage trigger.  
Low state : 0V to 2,5V (relay is ON).  
High state : 3,3V to 5,0V (relay is OFF)

Relays type : OMRON G3MB-202P-DC5  
Relays power : 4Vdc to 6Vdc.  
Relays output : 2A at 120Vac to 240Vac, 50Hz/60Hz  
Relay impedance : 440 ohms.

Size product : 25x34 mm (1 ch). 33x55mm (2 ch). 57x55mm (4 ch). Height : 25mm.



## Module interface:

DC+ : positive power supply.  
DC- : negative power supply (0V).  
CH1 : relay 1 module signal (low to trigger active).  
CH2 : relay 2 module signal (low to trigger active).  
CH3 : relay 3 module signal (low to trigger active).  
CH4 : relay 4 module signal (low to trigger active).

## Item includes:

PCB board with 1, 2 or 4 relays.  
User manual in English and French.

**Products informations : [www.seeit.fr](http://www.seeit.fr)**