1 Channel Relay Board With High/Low Level Trigger

It is Compact relay module with screw terminals for your switched devices

- Normally Open (NO) and Normally Closed (NC) contacts
- Configurable high or low level trigger with jumper -- can be used on all 6 outputs
- Red indicator LED when relay is activated
- Powered by 5V directly from the Relay board NodeMCU base

FEATURES:

- Module uses genuine quality relay, normally open interfaces Maximum load: AC 250V/10A, DC 30V/10A;
- Using SMD optocoupler isolation, driving ability, stable performance; trigger current 5mA;
- The module Operating voltage 5V;
- The module can be high or low by a jumper setting trigger;
- Fault-tolerant design, even if the control line is broken, the relay will not operate;
- The power indicator (green), the relay status indicator (red)

- The interface design of human nature, all interfaces are available through a direct connection terminal leads, very convenient
- Module size: 50mm*26mm*18.5mm (L*W*H)

FUNCTIONAL DESCRIPTION:

- A relay is a type of switch that can be controlled with an electrical signal. It is a way to open or close a circuit in this case via a signal from the Konnected microcontroller. The relay isolates the circuit on the device you want to control from the device that's controlling it.
- Low-level triggered will allow the current to go through the power line when the control signal is below a certain voltage.
- High-level triggered will allow the current to go through the power line when the control signal is above a certain voltage.
- Power/trigger side of the relay. In the case of this relay board , we power 5v DC relays through the connected Add-on board and use another wire to trigger it on/off. Without this side you would be unable to control the relay.
- Switched (NO/NC) side of the relay. On the other side of the relay you are passing current that can be switch on/off. You can either set up the relay to be Normally Open - meaning that circuit is not completed & current is not flowing until you switch it. Or you can set it up as Normally Closed - meaning that the circuit is complete and current is flowing until you switch it.

CONNECTIVITY:

Wiring the Power/Trigger Side:

- 5v Konnected goes to VCC Relay
- GND Konnected goes to GND Relay

- Zone or Out Konnected (depending on which zone you are using to trigger the relay) goes to IN

Wiring the Switch Side:

- You will always have a wire in the COM (Center Connector) With the switch side pointing up:
- NO will be on the right of center (Noted by NO or a broken line)
- NC will be on the left of center (Noted by NC or an unbroken line)

PIN FUNCTION:

- There are only 5 pins/zones on the Konnected boards that can support both high & low-level trigger relays
- DIY Boards: D1, D2, D5, D6 & D7 on the DIY
- Production Boards: Zones 1-5 on the production boards.
- Pin RX and Out can support high level triggers ONLY.
- The Maximum voltage that can pass through the Switched (NO/NC) side of the relays is written on them.

PACKAGE INCLUDES:

1x 1 Channel Relay Board With High/Low Level Trigger