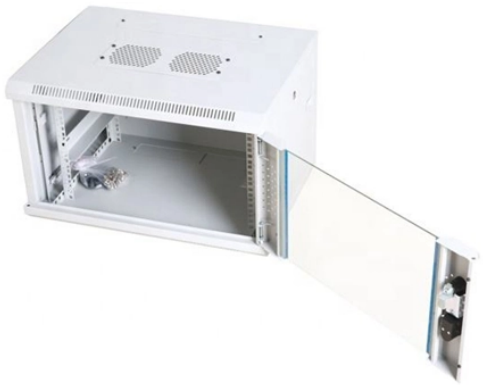
8-channel optocoupler relay module



Overview

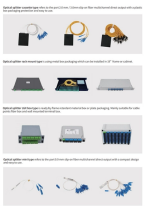
These relays are fully 5V logic compatible. The inputs have a relay driver transistor and opto-isolator built-in which means the device needs < 5 mA on the logic control pin to drive it. If you have an MCU like an Arduino or Teensy, you can driv. These relays are fully 5V logic compatible. The inputs have a relay driver transistor and opto-isolator built-in which means the device needs < 5 mA on the logic control pin to drive it. If you have an MCU like an Arduino or Teensy, you can drive the relays using any of the digital output pins. The relays are activated with a logic LOW signal. Ther. The board includes opto-isolators on the logic inputs. Opto-isolators provide complete electrical isolation between the logic control input and the relay power as an added layer of protection in case of a lighting strike or some other kind of major failure on the AC load of the relay. As-shipped, the module has a jumper between header pins JD-VCC a. The module requires 5V power and Ground to operate. If opto-isolation is used, it will require two different 5V power sources. The ground must be common with the MCU. Flyback diodes are included on the module in parallel with the relay coils to safely shunt current when the relay coil is de-energized. When a relay is energized, the module draws abo.

The output of the relay is rated to switch up to 30VDC at 10A per the relay markings (see our notes below) or up to 125/250VAC at up to 10A. The output is SPDT type with both a NO (Normally Open) terminal and a NC (Normally Closed) terminal relative to the center unmarked common (COM) terminal. A logic LOW energizes the relay, so the NO–COM contact. 1 x 10 Header 1. GND= Connect to ground of the 5V power supply 2. IN1= Relay control input 1. Logic LOW level energizes relay 1 3. IN2= Relay control input 2. Logic LOW level energizes relay 2 4. IN3= Relay control input 3. Logic LOW level energizes relay 3 5. IN4= Relay control input 4. Logic LOW level energizes relay 4 6. IN5= Relay control input.

8-channel optocoupler relay module

The eight-channel relay module contains eight 5V relays and the associated switching and isolating components, which makes interfacing with a microcontroller or sensor easy with minimum ...

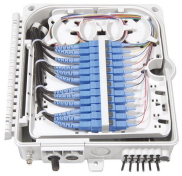
The 5V 8 Channel Relay Module with Optocoupler enables control of high-current loads via low-voltage microcontroller signals, featuring optocoupler isolation for enhanced safety and interference prevention.



The 8 Channel 12V Relay Module with Optocoupler is designed for projects that require controlling multiple high-power devices safely and efficiently. Each relay is isolated with an optocoupler, ...

It is an 8 Channel Isolated 5V 10A Relay Module, which can be controlled directly by a wide range of microcontrollers such as Arduino, AVR, PIC, ARM, PLC, etc. It is also able to control various ...

Schematic of the relay module. When you need to drive a large power load, you can take the jumper cap off and connect an extra power to JD-VCC to supply the relay; connect VCC to 5V of the MCU board ...

	The 5V x 8 relay w/ opto-isolation module has 8 independent 5V logic compatible relays that control 125/250VAC@10A or up to 15VDC@10A each.
	With a relay coil to absorb the diode protection. Standard interface that can be controlled directly by microcontroller (Arduino, 8051, AVR, PIC, DSP, ARM, ARM, MSP430, TTL logic) The channels are ...
	2PCS DC 12V 8 Channel Relay Module with Optocoupler Isolated Support High and Low Level Trigger 8 Ways Relay Switch Module (12V) Add to cart
	Waveshare Industrial 8-Channel RP2350 Relay Module, Based on RP2350 Dual-core & Dual-Architecture Microcontroller, Supports Digital Input, RS485, Ethernet and Multiple Isolation Protection
	This is a LOW Level 5V 8-channel relay interface board, and each channel needs a 15-20mA driver current. It can be used to control various appliances and equipment with large current.

Contact Us

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