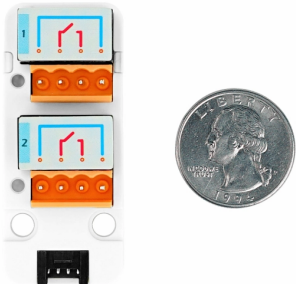
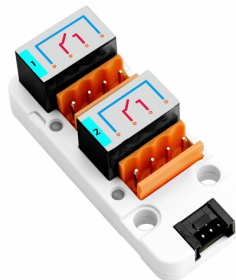
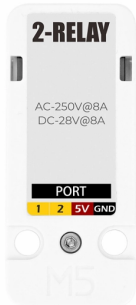
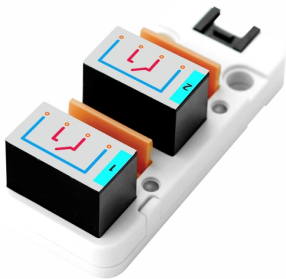


# Unit 2Relay

SKU:U131



## | Description

**Unit 2Relay** is a dual-channel relay-controlled high-voltage driver unit. It integrates two normally open (NO) mechanical relays, which are directly controlled via GPIO logic levels, supporting AC 250V / DC 28V high-voltage switching with a rated current of 8A per channel. The unit communicates through a Grove HY2.0-4P interface, features physical isolation and status indicator LEDs, and adopts a LEGO-compatible mounting hole design, enabling flexible integration with LEGO structures or screw mounting. It is suitable for smart home applications, appliance control, and safe power management in industrial equipment scenarios.

## Features

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- Channel Count: 2 independently controlled relay channels
- Load Capacity: AC 250V@8A or DC 28V@8A
- Status Indication: Independent LED indicator for each channel
- Control Method: Direct GPIO logic-level drive
- Communication Interface: Grove HY2.0-4P
- 2 x LEGO-compatible mounting holes
- Development Platform
  - UiFlow1
  - UiFlow2
  - Arduino IDE

## Includes

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- 1 x Unit 2Relay
- 1 x HY2.0-4P Grove connection cable (20cm)
- 2 x HT3.96-4P terminals

## Applications

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- AC/DC signal switching
- Power on/off for digital devices

## Specifications

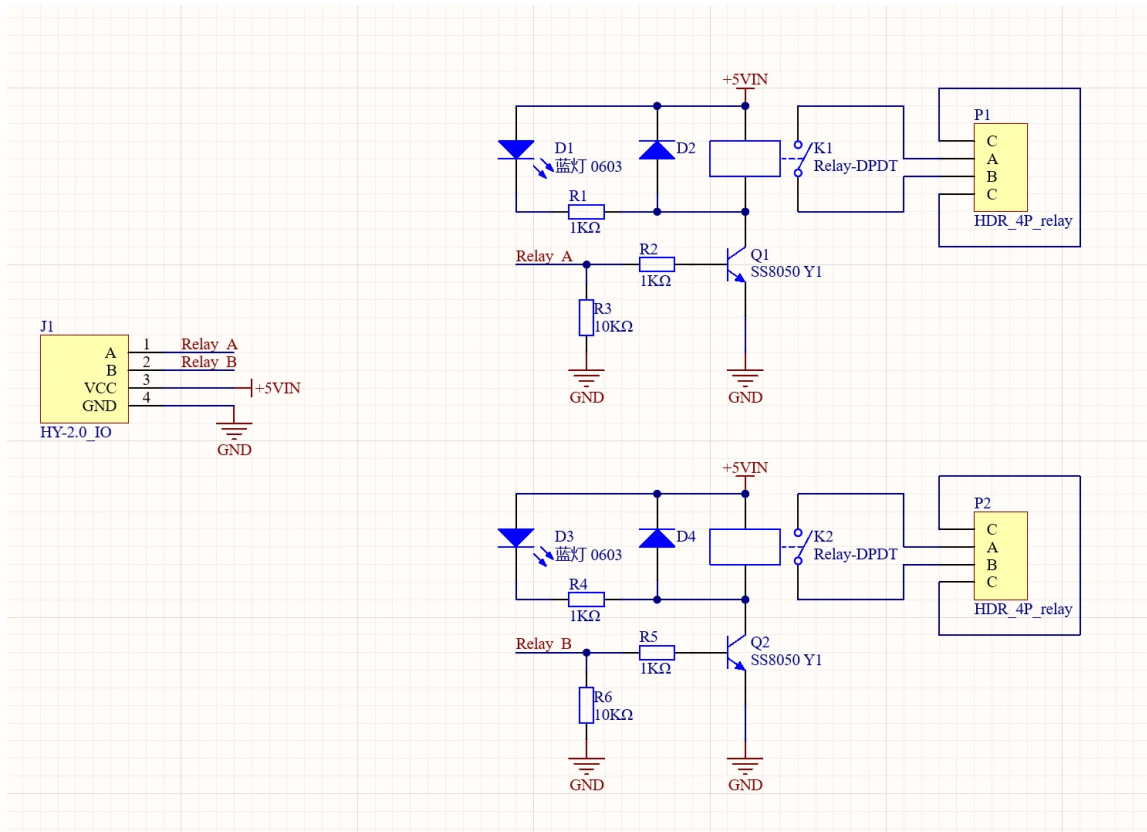
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Specification	Parameter
Max Switching Voltage	AC 250V / DC 28V
Rated Current	8A
Coil Control Voltage	DC 5V
Coil Power Consumption	5V@154mA
Coil Action Time	≤ 8ms
Coil Release Time	≤ 5ms
Contact Form	Normally Open (NO)
Contact Material	AgSnO2
Relay Indicator Light	Blue x2
Product Size	56.0 x 24.0 x 19.0mm
Product Weight	20.0g
Package Size	138.0 x 93.0 x 17.0mm
Gross Weight	31.2g

## Learn

This relay is driven by IO output high/low level signals, so before connecting to the main controller, ensure that the connected port IO supports configuration as output mode. (Note: ESP32's G36 does not allow configuration as output mode, so PORT.B will not be able to drive properly)

## Schematics



## PinMap

### Unit 2Relay

HY2.0-4P	Black	Red	Yellow	White
PORT.A	GND	5V	RELAY-2	RELAY-1

## Model Size

