

RELAY SKU:103



Description

RELAY, as its namesake, is a M5Unit that implements a Relay functions. Relay can be used as an electrically operated switch, uses an electromagnet to mechanically operate a switch, to where it is necessary to control a large power load circuit by a separate low-power signal, like a digital signal output from a microprocessor. Up to 30V DC and 220V AC.

There are 3 pins named: ON, OFF, COM. You can program to make COM connect to ON or OFF, just by high and low out put of a digital GPIO.

Product Features

- Single -BUS control
- Up to 3A @ 30 VDC or 220 V AC
- Software Development Platform: Arduino, UIFlow(Blockly,Python)
- Two Lego-compatible holes
- Product Size : 48.2mm x 24.2mm x 21.4mm
- Product weight : 11.7g

Include

- 1x RELAYUnit
- 1x Grove Cable
- 1x 3.96 socket

Applications

Remote control of high-power appliances, such as refrigerators, air conditioners, TVs, etc.

EasyLoader

EasyLoader is a concise and fast program writer, which has a built-in case program related to the product. It can be burned to the main control by simple steps to perform a series of function verification. Please install the corresponding driver according to the device type. M5Core host [Please click here to view the CP210X driver installation tutorial](#), M5StickC/V/T/ATOM series can be used without driver)

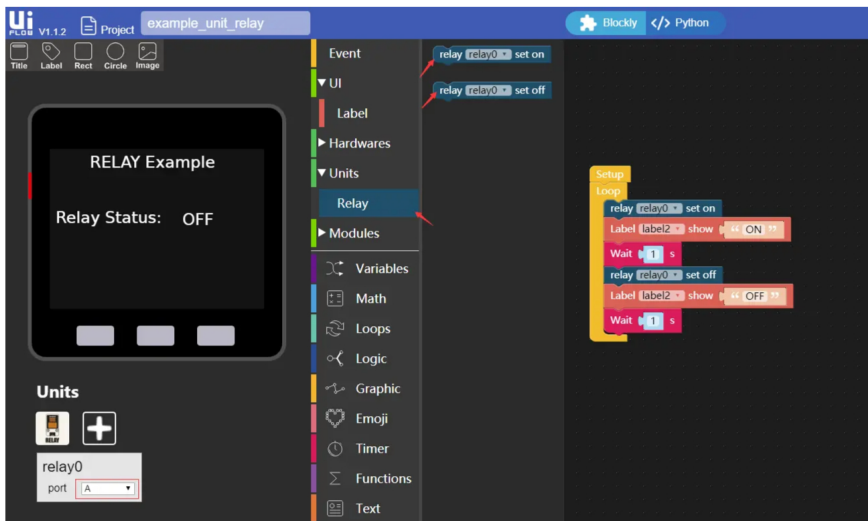
Example

1. Arduino IDE

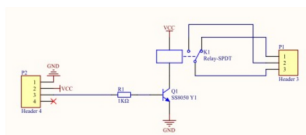
The code below is incomplete. To get complete code, please click [here](#)

2. UIFlow

To get complete code, please click [here](#)



Schematic



PinMap

M5Core(GROVE B)	GPIO36	GPIO26	5V	GND
RELAY Unit	RELAY Controlling Pin	5V	GND	

Video

Program with UIFlow