RELAY

Description

RELAY, as its namesake, is a M5Unit that implenments 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 mircoprocessor. 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 soker

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

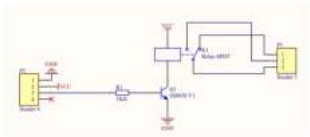
1. Arduino IDE

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