

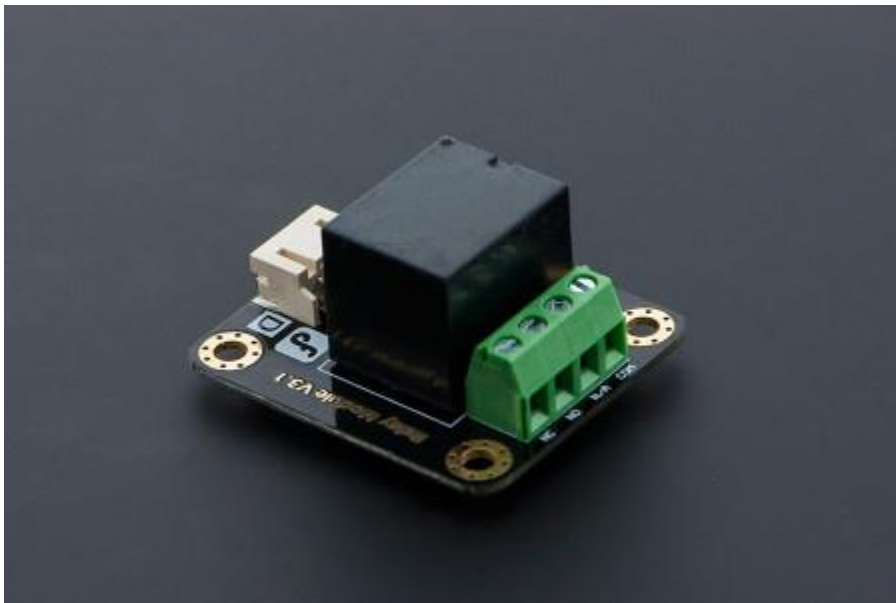


Part Number: DFR0017

Description: Gravity: Digital 5A Relay Module

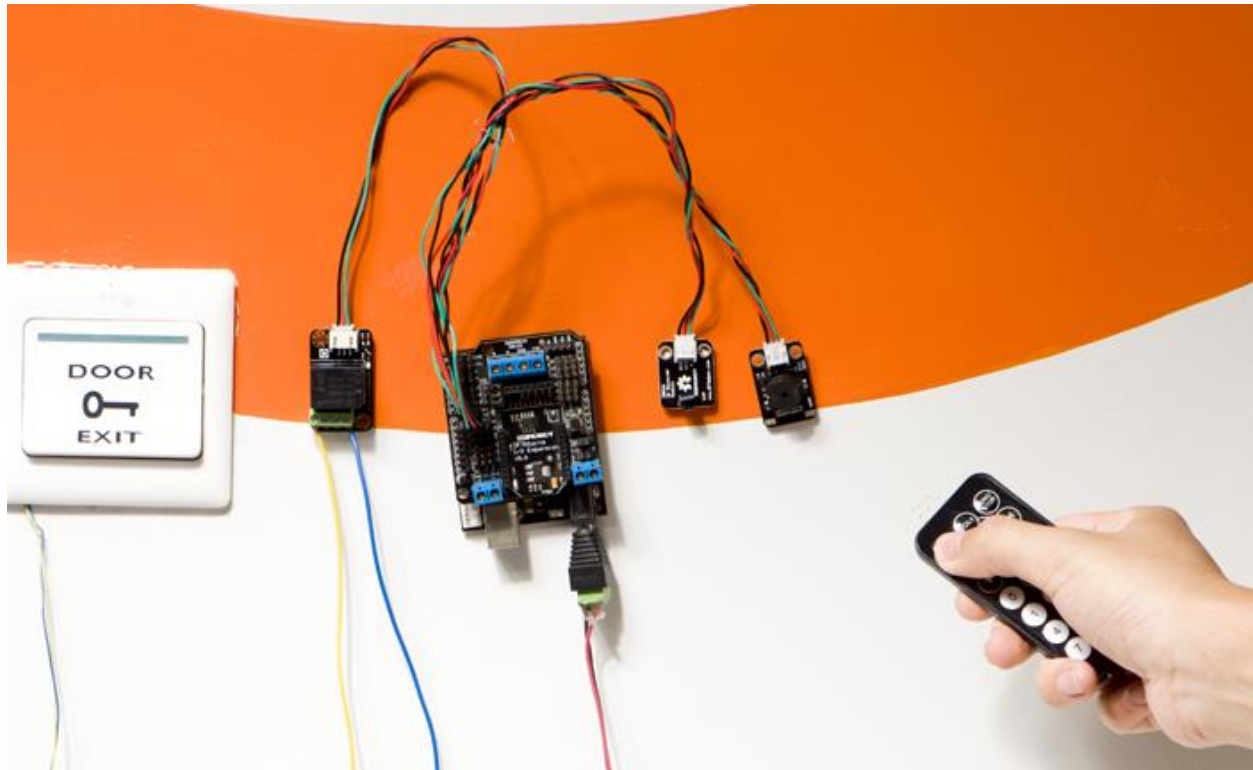
INTRODUCTION

The DFRobot Relay Module is a standard relay used with a controller board to interface external electrical circuits or [modules](#). Some of the most common applications with Arduino are: Home lighting, electrical appliances of high power and other equipments. The modular design makes it easy to integrate with a [controller board](#). The Relay integrates a status [LED](#), in order to acknowledge visually it's status ON or OFF. It can be controlled through the digital IO port, with a simple HIGH or LOW on [Arduino compatible boards](#). Other boards will work requiring same voltage level. Other usages include control of solenoid valves, lamps, motors and other high current or high voltage devices.



Latest Update: V3.1

- Improved the silkscreen on the bottom layer of the sensor to indicate the hardware connection.
- Some kits may include acrylic holder and nylon screw set to prevent shorting of high power interface with metallic surface.



SPECIFICATION

- Single relay board
- Rated through-current: 10A (NO) 5A (NC)
- Maximum switching voltage: 150VAC 24VDC
- Interface: Digital
- Control signal: TTL level
- Contact Rating (Res. Load): 10A 250VAC / 24VDC
- Max. switching voltage 250VAC / 30VDC
- Max. switching current 15A
- Max. switching power 250VA 240W
- UL Rating: 10A 120VAC / 10A 250VAC
- Operate time (at nomi. Vot.): 10ms
- Release time (at nomi. Vot.): 5ms
- High quality connector
- Immersion gold surface

SHIPPING LIST

- Gravity Relay Module V3.1 x1
- Digital Cable x1