EN - For pricing and availability in your local country please visit one of the below links:

DE - Informationen zu Preisen und Verfügbarkeit in Ihrem Land erhalten Sie über die unten aufgeführten Links:

FR - Pour connaître les tarifs et la disponibilité dans votre pays, cliquez sur l'un des liens suivants:

DFR0473

EN
This Datasheet is presented by the manufacturer

DE
Dieses Datenblatt wird vom Hersteller bereitgestellt

FR
Cette fiche technique est présentée par le fabricant

Part Number: DFR0473

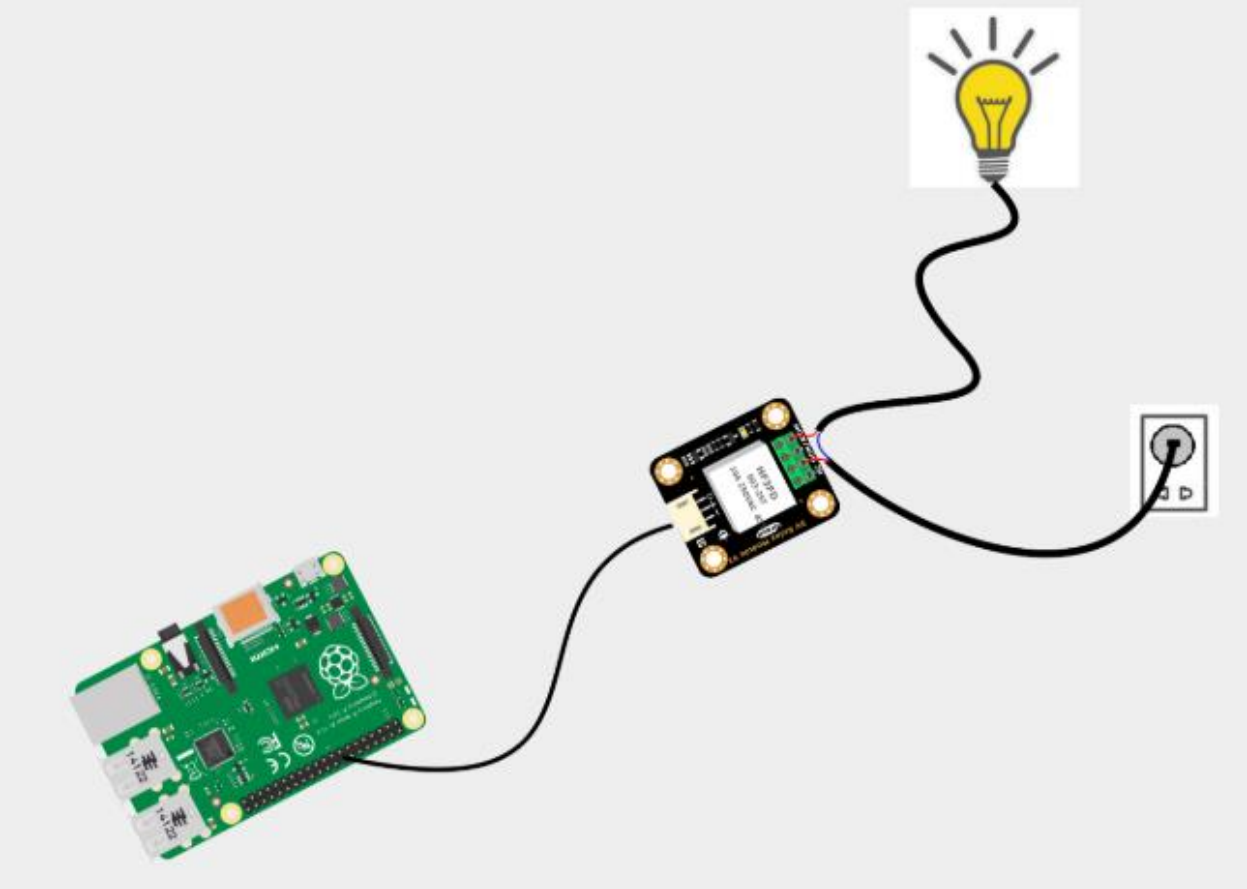
Description: Gravity: Digital 10A Relay Module

INTRODUCTION

Introducing the Gravity Digital Relay Module – the latest addition to DFRobot's Gravity series! This module is a little different to the other relays in our store - not only is it compatible with 5V Arduino boards, but also with Raspberry Pi, BBB (BeagleBoard Black), mbed, Intel Joule, Arduino 101 and other 3.3V devices.

It is specially designed for low-voltage devices and works well under 3.3V power supplies, just like the Raspberry Pi relay board. In addition, the module has a wide range of power inputs. In our tests, once it reaches 2.8~5.5V, it can also support 1.8V devices.

DFRobot's Digital Relay Module uses a high quality 3V relay. It can handle up to 10A current and mechanical parts are guaranteed up to 100 million uses. An on-board indicator LED demonstrates the relay's state. Terminals include normally open (NO) and normally closed (NC). The module uses a Gravity-3 pin interface, which requires no soldering for convenient plug and play usage.



FEATURES

- Supports Arduino, Raspberry Pi, Lattepanda .etc.
- 2.8 ~ 5.5V – A wide-range of input voltages
- The underside of board is isolated using an acrylic plate for safety
- Includes an LED Indicator
- Uses a gravity-3 Pin interface for easy, plug and play usage

SPECIFICATION

- Operating Voltage: 2.8V ~ 5.5V
- Input Signal: High Level (≥2.8V); Low Level (≤0.5V)
- Max Switching Current: 10A
- Max Switching Voltage: 35VAC; 30VDC

- Rating Load: 10A@35VAC; 10A@28VDC
- Max Switching Power: 300W
- Operate Time: ≤10ms
- Release Time: ≤5ms
- Dimensions: 38 x 33 x 20 mm /1.5 x 1.3 x 0.81”
- Mechanical Life: 1 million uses
- Electrical Life: 50 thousand uses
- Weight: 20g

SHIPPING LIST

- Gravity: Digital Relay Module (with Acrylic Base) x 1
- Gravity Digital Sensor Cable x 1

EN - For pricing and availability in your local country please visit one of the below links:

DE - Informationen zu Preisen und Verfügbarkeit in Ihrem Land erhalten Sie über die unten aufgeführten Links:

FR - Pour connaître les tarifs et la disponibilité dans votre pays, cliquez sur l'un des liens suivants:

DFR0473

EN
This Datasheet is presented by the manufacturer

DE
Dieses Datenblatt wird vom Hersteller bereitgestellt

FR
Cette fiche technique est présentée par le fabricant