

- Operating Voltage: 2.8V ~ 5.5V
- Input Signal: High Level ($\geq 2.8V$); Low Level ($\leq 0.5V$)
- Max Switching Current: 10A
- Max Switching Voltage: 35VAC; 30VDC
- Rating Load: 10A@35VAC; 10A@28VDC
- Max Switching Power: 300W
- Operate Time: $\leq 10ms$
- Release Time: $\leq 5ms$
- 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

DOCUMENTS

- [Product Wiki](#)
- [More Documents](#)

SHIPPING LIST

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

PROJECTS

Project 1. [Hyduino - Automated Hydroponics with an Arduino](#)

hydroponics is growing plants without the use of a traditional dirt medium by using a nutrient rich water solution. This is especially great for those people that have limited areas in their backyard to grow in.

Hardware list:

- [Arduino Mega 2560](#)
- [Peristaltic Pumps](#) (2)
- Regular Pump
- [pH Electrode Probe and Connection to Arduino](#)

pH Up/Down Solution

- [5V Relay Modules for Arduino](#)
- 12V Solenoid Valve
- [DHT11 or DHT21 or DHT22 Humidity/Temperature Sensor](#)
- [Photosensitive Sensor for Arduino](#)
- [Breadboard](#)
- [Various Wires](#)
- [Grow Lights](#) (mine are LED)
- Sockets for Grow Lights
- [3.2" TFT LCD Shield](#) + [Touch Screen](#) (usually has an SD card reader on the back of it)
- Water Level Sensor Float Switch (2)
- I2C RTC DS1307 AT24C32 [Real Time Clock Module](#)
- 9V and [12V](#) Power Supplies
- Hydroponics Pots (I'm using 10 - 3" pots for this)
- 1" PVC Pipe and Fittings + Drain Pipe and Fittings

Project 2: How to Make Fingerprint Lock for Your Computer



Hardware components:

- [Arduino Nano](#)
- [Fingerprint Scanner](#)
- [Digital 10A Relay Module](#)

REVIEW

Great, received in good conditions.



K Nantha. 20/06/2020

FAQ

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Wong Tsz Lai • 3 years ago

Hi, would like to double check on the working condition of the Relay. Currently using a way more costly relay with Raspi.

Working conditions:

230V AC wire,

Normally Closed preferred (The one I have is normally open, leading to additional wiring to ensure power is supplied to pi and risks of pi failure.)

Controlled by Raspi (I use more Raspi than Arduino)

10A is okay, but if you have higher current models would be welcome too.

Also, do you have anything similar for 48V DC?

^ • Reply • Share >



DFRobot Support Wong Tsz Lai • 3 years ago

For the higher current model, this one satisfy your request <https://www.dfrobot.com/pro...>, while it's working under 5V, not fit for Rpi

^ • Reply • Share >



Sequoia Timisoara • 4 years ago

Max Switching Voltage: 35VAC; 30VDC only?

The picture of the relay shows 250VAC.

^ • Reply • Share >



wendy → Sequoia Timisoara • 4 years ago

Hi, actually it can reach 250VAC, but to some extent, we only can claim a parameters less than 38VAC. May I know your working condition?

^ • Reply • Share >



Sequoia Timisoara → wendy • 4 years ago

I am just doing some planning and looking around. I am looking for a solution with a latching relay and this product showed up in some advertisement or Google plus maybe. The picture with the Raspberry Pi Relay.png with the light bulb and the wall outlet is also misleading.

^ • Reply • Share >



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