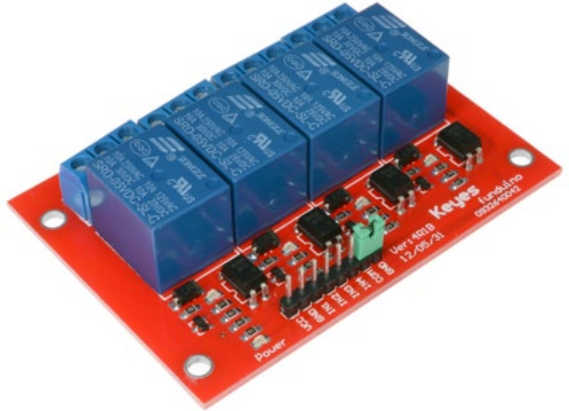


## ARD 2 Arduino Compatibles

Controllers, Shields, Modules & Sensors

### 4 Channel High Voltage Relay Module ARD2-2007

- Includes optocouplers to ensure your Arduino does not get damaged by reverse voltages
- Control high-voltage circuits with an Arduino

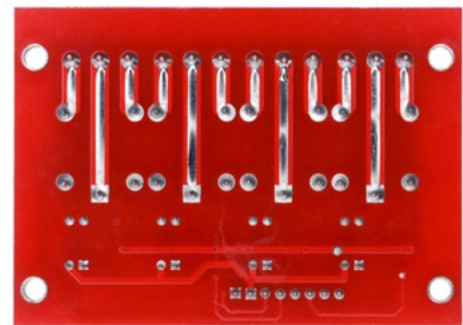


#### Description

This module can be used to control high-voltage circuits that an Arduino would otherwise not be able to control directly. Instead, you use a low-voltage control signal from the Arduino to control the relay module, which is capable of handling and switching high-voltage or high-power circuits.

#### Specifications

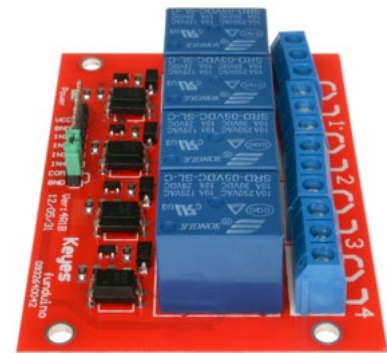
<b>Voltage</b>	5V
<b>Rated Load</b>	AC: 125~250V/10A; DC: 28~30V/10A
<b>Rated Current</b>	10A(NO), 5A(NC)
<b>Max. Switch Voltage</b>	250VAC, 30V
<b>Weight</b>	59g
<b>Board Colour</b>	Red
<b>Material</b>	PCB
<b>Signal Type</b>	TTL
<b>Dimensions</b>	77mm x 55mm x 20mm



#### Pinout

Module	Arduino	Function
VCC	5V	Power Supply
GND	GND	Ground Connection
IN1	D7	Relay 1 Digital Control Input
IN2	D8	Relay 2 Digital Control Input
IN3	D9	Relay 3 Digital Control Input
IN4	D10	Relay 4 Digital Control Input
COM	Linked with Jumper	Ground Connection for Control Inputs
GND		Connected to GND on PCB

**Note:** This module is supplied with a jumper link fitted between the GND & COM pins. Normally this is left in place. However, if you require an independent isolated signal ground you can remove the links and connect the signal ground to the COM pin.



**Test Code**

```
void setup() {  
  pinMode(7, OUTPUT);  
}  
  
void loop() {  
  digitalWrite(7, LOW);  
  delay(10000);  
  digitalWrite(7, HIGH);  
  delay(10000);  
}
```

**WARNING: Mishandling or incorrect or improper use of relays could result in serious personal injury or DEATH, possible physical damage of the product, faulty operation or create serious/dangerous hazards.**

Please make sure that you read and understand how your relay/relay module board works, the voltage and current it is rated for, and the risks involved in your project BEFORE you even attempt to start putting it together. Seek professional and qualified assistance BEFORE you undertake ANY high power projects. Do your research and seek advice BEFORE undertaking a project using a relay. Please check your connections and test them BEFORE turning the power on.

Wiltronics accepts no responsibility for your project, or the risk/damage/fire/shock/injury/death/loss that it causes.

**Please note:** It is illegal in some countries to wire up a high power project without an electrician. Please check your country's rules/laws/regulations before you undertake your project.