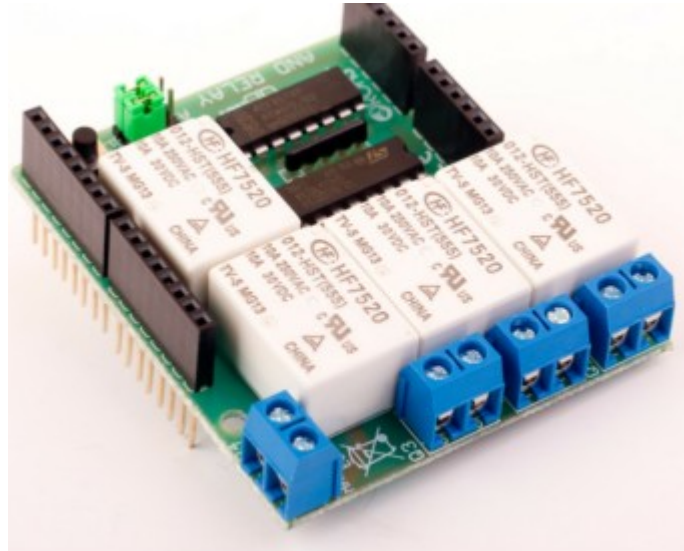


## ARD RELAY SHIELD

**RELAY SHIELD** is a module equipped with four relays (10A, 230V max, I2C bus) compatible with Arduino base board. It contains its own I2C address so you can simultaneously connect 4 boards (16 relays) to two pins on the Arduino board. With this module you can control devices supplied with DC voltage or AC voltage 230V (e.g.: bulb)



After Shield is correctly soldered ( picture above ) please set Jumpers to A0 or A1, depending on what bus address module is going to be used. Shield address is B01000XY, where X depends on jumper A1 and A0 – jumper Y. Relay\_address must be configured according to dipoles A1 and A0 as follows:

when dip A1=1 and A0 = 1  
`const int relay_address=0b0100011;`

when dip A1=0 and A0 = 1  
`const int relay_address=0b0100001;`

when dip A1=1 and A0 = 0  
`const int relay_address=0b0100010;`

when dip A1=0 and A0 = 0  
`const int relay_address=0b0100000;`

You can use four Relay Shields simultaneously. Please note, that you need to use +12V Arduino Board supply (3,5mm DC power connector) for proper work of Shield.