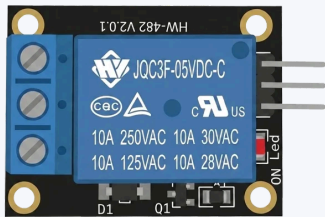


Part 14 of 15



Relay 5V

A switch your Arduino can flip

In your kit: 1x

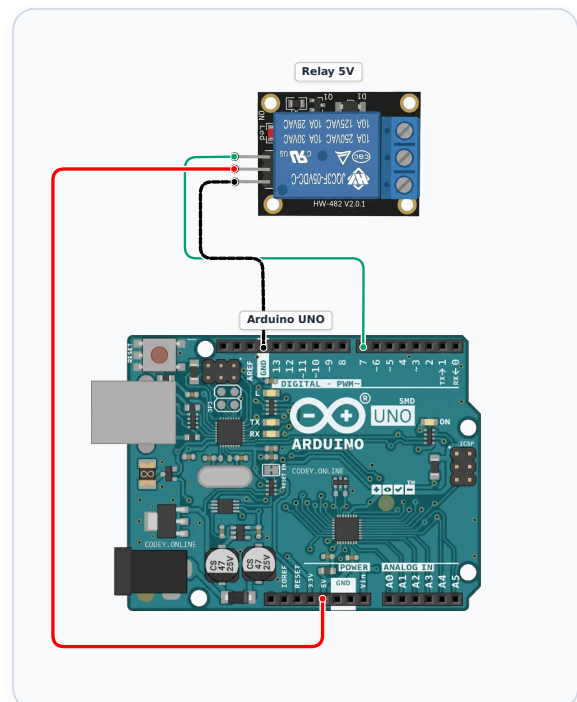
What is it?

A relay is a switch that your Arduino can turn on and off. You hear it "click". With a relay, your Arduino can turn another device on and off, for example a small fan or a lamp on a battery.

This is how you connect it

- **S** to a pin, for example D7
- **+** to 5V
- **-** to GND
- Connect the device you want to switch to **COM** and **NO**. NO means: normally off, on when the relay clicks.

Wiring diagram



● Arduino UNO · GND → Relay 5V · -

● Arduino UNO · 5V → Relay 5V · +

● Arduino UNO · D7 → Relay 5V · S

What can you do with it?

- A fan that turns on when it is warm
- A lamp on a timer
- A small pump for the plants

Tip

Safety first: only use the relay with batteries or low voltage (up to 12V). Never with a wall socket (230V)!

Projects with this part

★★★★ Smart fan